



AGENDA REPORT

Meeting Date: June 16, 2015
Item Number: D-11
To: Honorable Mayor & City Council
From: James Burnley, Solid Waste Manager 
Subject: APPROVAL OF A PURCHASE ORDER TO ROTATIONAL MOLDING, INC. IN THE NOT TO EXCEED AMOUNT OF \$404,509.90 FOR THE PURCHASE OF SEVENTEEN HUNDRED 240 GALLON CONTAINERS

Attachments: BID #15-33 PROPOSAL AND RESULTS

RECOMMENDATION

Staff recommends that the City Council move to approve a purchase order to Rotational Molding Inc., for the purchase of seventeen hundred, 240 Gallon Refuse Containers and authorize a purchase order in the not to exceed amount of \$404,509.90 for FY 2015/16.

INTRODUCTION

The 240 gallon refuse containers are part of Phase II of the City's Alley Container Replacement Project. The 240 gallon refuse containers will be used to replace the 300 gallon refuse containers in alleys servicing the single family properties throughout the south side of the City. The City's Alley Container Replacement Project was presented to the Public Works Commission in 2013, with the Commission approving of and recommending the Project. Phase 1 consisted of replacing an estimated 1,300 lids of containers of Multi-family properties serviced by alleys. Phase I was completed in September of 2014.

DISCUSSION

This agreement supports the implementation of Phase II. As the existing container lids are damaged and worn beyond repair, the goal of this purchase is to replace existing containers with smaller diameter refuse containers to allow for more space in the south side alleys. The south side alleys that service the single family properties are 15 feet in width compared to 20 feet in width which service the multi-family properties. This will provide our new Compressed Natural Gas (CNG) refuse trucks with more space in the

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south side alleys to reduce the risk of property damage when collecting from these containers.

Staff would then rehabilitate and reuse the seventeen hundred damaged 300 gallon containers by replacing lids and switching them out to replace damaged containers on the north side, saving the City an estimated \$300,000. The new lids were purchased in Phase I in 2014

Bid specifications were prepared and proposals opened on February 21, 2015, for Automated Refuse Containers for 230 to 250 Gallon Capacity Containers. From this Bid #15-33, Rotational Molding Inc. was the only submitted proposal. Staff has evaluated the 240 gallon refuse container and recommends an award of the proposal to Rotational Molding Inc. in the total amount of \$404,509.90, including tax, for seventeen hundred, 240 gallon refuse containers.

Vendor	Total Price (with tax)
Rotational Molding	\$ 237.94 ea.

FISCAL IMPACT

The total amount of this purchase order is \$404,509.90. These funds are available and budgeted for FY 2015/16 in Fund 83, the Solid Waste Enterprise Fund.


George Chavez

Approved By

Attachment 1



BID PACKAGE NO. 15- 33

**CITY OF BEVERLY HILLS
PUBLIC WORKS SERVICES-SOLID WASTE DIVISION
345 FOOTHILL ROAD
BEVERLY HILLS, CALIFORNIA 90210**

LEGAL NOTICE – BIDS WANTED

Automated Refuse Container, For 230 to 250 Gallon Capacity Container

The City of Beverly Hills ("City") hereby requests Bid for the materials, supplies, equipment or services set forth herein, subject to all conditions outlined in this Bid Package, including:

- SECTION 1:** NOTICE INVITING BID REQUEST
- SECTION 2:** GENERAL INFORMATION AND INSTRUCTIONS
- SECTION 3:** DETAIL SPECIFICATIONS
- SECTION 4:** BID FORM

***** (IF YOU CHOOSE NOT SUBMIT A BID, PLEASE COMPLETE PAGE 9) *****

Sealed Bid proposals will be received only at the Office of the City Clerk, 455 North Rexford Drive Room 290, Beverly Hills, until 2:00 p.m. local time, on the dates hereinafter stated at which time they will be opened and publicly read for furnishing the materials, supplies, equipment or services or for supplying the materials, and/or providing labor for the repair, construction or improvement as the case may be, as indicated by the items hereunder listed and in accordance with the applicable specifications.

SECTION 1 – NOTICE INVITING BIDS

Date of Request: May 7, 2015

BID Number: 15- 33

Item Description: Automated Refuse Container Lids, For 230 to 250 Gallon Containers

Bid Opening: May 21, 2015, _____, 2pm local time, City Clerk's Office

All Bids must be delivered by the specified opening time of the Bid request. Bids arriving after the specified hour will not be accepted. Mailed Bids, which are delivered after the specified hour will not be considered regardless of postmarked time on the envelope. All Bids must be in writing and must contain an original signature by an authorized officer of the firm - Electronic Bids (telephone, FAX, etc.) are **NOT** acceptable.

BID DEPOSIT - NONE REQUIRED WITH THIS BID
PERFORMANCE BOND AND PAYMENT BOND - NONE REQUIRED WITH THIS BID

CITY OF BEVERLY HILLS
SECTION 2 - GENERAL INFORMATION AND INSTRUCTION

1. The Bidder's proposal may be withdrawn at any time prior to the BID opening. No proposal may be withdrawn after the BID opening. Violation of this policy may cause forfeiture of the BID deposit and removal from qualified Bidders List.
2. Bidders are advised to become familiar with all conditions, instructions and specifications governing this BID. Once the award has been made, a failure to have read all the conditions, instructions and specifications of this contract shall not be cause to alter the original contract or for Bidder to request additional compensation.
3. Bidders agree to defend and save the City from and against all demands, claims, suits, costs, expenses, damages and adjustments based on any infringement of any patent relating to goods specified in this contract.
4. Successful Bidder shall not assign the contract, or subcontract the whole or any part of the contract without written consent of the City. Such consent shall neither relieve the Bidder from his obligation nor change the terms of the contract.
5. The City shall have the right to inspect any material specified herein. Equipment, supplies or services that fail to comply with the specifications herein regarding design, material or workmanship are subject to rejection at the option of the City. Any materials rejected shall be removed from the premises of the City at the expense of the Bidder.
6. Bidder shall state the nature and period of any warranty or guarantee. Manufacturer's specifications shall be submitted with the BID and shall be considered a part of this contract where such specifications meet the minimum of the City specifications.
7. Each Bidder shall submit in full this completed original BID DOCUMENT and all necessary catalogues, descriptive literature, etc., needed to fully describe the materials or work Bidder proposes to furnish.
8. Bidders shall state the delivery date for commodities in terms of calendar days after notification of award. Where the contract calls for performance of labor, the Bidder shall also state the number of calendar days required for completion after notification of award.
9. Cash discounts shall be considered in the evaluation of the BID, except that payment periods of less than thirty (30) days will not be considered in award of this BID. Where cash discounts are offered, the discount date shall begin with the invoice date or delivery date to the City, whichever is later.
10. Upon the award of the BID to the successful Bidder, if insurance is required by the terms of this BID, the City will require evidence of such coverage be furnished within fourteen (14) days of notification of BID award. The amounts and types of coverage will be specified in Section 4 of this BID. **All insurance forms must be in a format acceptable to the City.**

11. The Bidder agrees to indemnify, defend and hold harmless the City, City Council and each member thereof, and every officer, and employee of the City, from any liability or financial loss including, without limitation, attorneys fees and costs, arising in any manner whatsoever from any intentional, reckless, negligent, or otherwise wrongful acts, errors or omissions of Bidder, or any person employed by Bidder, including agents and independent Bidders, in the performance of this agreement.
12. Every supplier of materials and services and all Bidders doing business with the City shall be an "Equal Opportunity Employer" as defined by Section 2000 (E) of Chapter 21, Title 42 of the United States Code Annotated and Federal Executive Orders #11375, and as such shall not discriminate against any other person by reason of race, creed, color, religion, age, sex or physical or mental handicaps with respect to the hiring, application for employment, tenure, terms or conditions or employment of any person.
13. Prices quoted herein must be firm for a period of not less than ONE YEAR (365) days after date of BID opening.
14. BID calling for other than a "lump sum" total BID may be awarded by single item, by groups of items, or as a whole, as the City deems to be in the best interest of the City.
15. The City will be the sole and exclusive judge of quality, compliance with BID specifications or any other matter pertaining to this BID. The City reserves the exclusive right to award this BID in any manner it deems to be in the best interest of the City. Prior to the award of the BID the City shall have the right to inspect any material specified herein.
16. Quantities specified in Section 3 are approximate only, the City reserves the right, within the period for delivery to increase or decrease the quantity ordered and upon mutual agreement after the period specified for delivery, order additional quantities of items BID.
17. "Bidder shall cooperate with the City in all matters relating to taxation and the collection of taxes. It is the policy of the City to self-accrue use tax associated with its own purchases. The City requests that its Bidders self-accrue their use tax, **when applicable**, and report the use tax to the State Board of Equalization with a City-assigned permit number. The City's own use tax which is self-accrued by the City will be remitted to the State of California pursuant to the City's permit with the State Board of Equalization."
18. For any questions regarding this BID, please contact **James Burnley, Solid Waste Manager at 310.285.2475.**

SECTION 3 – DETAIL SPECIFICATIONS

IN EVENT OF CONFLICT, THE FOLLOWING SPECIFICATIONS SHALL PREVAIL OVER GENERAL INSTRUCTIONS CONTAINED ELSEWHERE IN THIS BID.

1.0 GENERAL SPECIFICATIONS

- 1.1 Project Description:** Supply and delivery of completely assembled 230 to 250 Gallon Automated Refuse containers to the Public Works Services Department, Solid Waste Division.
- 1.2 Scope of Work:** Bidder shall supply and deliver all in quantities as ordered.
- 1.3 Time of Completion:** All deliveries shall be completed within 30 days of receipt of order.
- 1.4 Delivery Location:** All deliveries shall be made to the Public Works Department Solid Waste Division 345 Foothill Road, Beverly Hills, CA. 90210, or any other City of Beverly Hills locations as specified. All products supplied shall be delivered F.O.B. to locations.
- 1.5 Product Data:** Product specifications shall be submitted with the BID on each container. Collect all Product Data into a single submittal document. The following information shall be included on each product:
1. Manufacturer's printed specifications (catalog cuts).
 2. Manufacturer's standard warranty.
 3. Compliance with recognized testing agency standards where applicable.
 4. Application of testing agency labels and seals.
 5. Notation of dimensions verified by field measurement as necessary.
 6. Notation local service center.
 7. Containers shall be fully assembled on delivery and ready for use.
- 1.6 Manufacturer's Warranty:** All materials and components shall carry the manufacturer's standard warranty. All installation and workmanship shall be warranted for not less than five (5) years. All warranties shall commence with the date of final acceptance by the City.
- 1.7 Supplier Qualifications:**
- 1.8 Acceptable Manufacturers and Models:** The containers listed in **Section 2.2** meet the minimum standards and specifications for this BID. Other manufacturer's products of equal or greater standards and specifications may be considered acceptable for the purpose of this BID. The City Administrator shall be the sole judge of the ability of any alternate container BID to meet the required standards

and specifications. All product substitutions BID shall be clearly listed on the Itemized BID Form, Section 4.

2.0 DETAILED SPECIFICATIONS:

This specification describes a 230 to 250 gallon refuse container to be used with an automated side loading refuse collection vehicle.

2.1 Dimensions:

Container and lid shall be a minimum weight of 65 lbs. and ranging in volume from 230 to 250 gallons. Average wall thickness shall be a minimum .180" throughout the container and lid. Container and lid shall have a maximum outside diameter of 45".

2.2 Container and Lid Construction/Design:

Container with lid shall be a maximum of 53" in height. Container shall be designed with four molded in stop brackets to prevent container from slipping into truck hopper, a molded in lip approximately 30" from the bottom, and a gripping diameter of approximately 40".

Top of the container must have a slope of approximately 3" from back to front. Slotted holes on the backside of the container for fastening the lid shall be included. Assemble hardware for lid and lid hinges shall be metal bolts, nuts and washers. The lid shall overlap the container to prevent water from entering container and withstand warping from climate change and operational wear.

The lid shall be constructed of 1/3 fixed and 2/3 hinged. The 1/3 fixed lid shall have four molded in hinge holes. A molded in rib shall be part of the construction for added strength. The lid shall have four slotted holes for fastening to the container. Four graded 5 3/8" bolts, eight flat washers, and four nylon lock nuts shall be included with each lid.

The 2/3 lid shall be constructed with a dome shape to prevent slumping and distortion. The lid must be designed in such a manner to ensure that the container is waterproof. The lid shall have eight points of contact with four grade 5 bolts acting as the hinge. A molded rib shall be part of the construction for added strength, and have a maximum opening of approximately 110 degrees.

2.3 Material:

All of the containers and lids shall be rotationally molded and manufactured from HDPE (High Density Polyethylene) that can be fully recycled. The raw material shall contain an ultraviolet stabilizer and be black in color free from fading. The minimum average wall thickness shall be .180" throughout container and lid. All containers and lids shall be new and unused.

2.4 Color and Inscription:

All black container **Lids** shall be identified with 1" letters, City of Beverly Hills", inscribed and molded in raised letters into the lid of the containers. The black containers should have **HOT STAMP** in half inch letters, the hatch lid should read "USE FOR COMMON TRASH & RECYCLABLES ONLY" KEEP LID CLOSED DO NOT PLACE CONSTRUCTION, GREEN WASTE, HAZARDOUS WASTE, FLAMMABLES, HOT ASHES, OR OVERSIZE BULKY ITEMS AND APPLIANCES IN THIS CONTAINER. Also a Graphic Mold label with the City's label shall be a minimum of (15"x 4.5") in length and height (see Attachement).

Containers shall have a "6x6" **HOT STAMP CITY SHEILD ON BOTH SIDES OF CONTAINER.**

2.5 Warranty:

All container lids shall be fully (100%) warranted for a minimum period of 5 years. Defective container lid shall be replaced under warranty.

2.6 Quantities:

All quantities are estimates and provided only for the purpose of BID evaluation. Minimum or maximum order quantities are not guaranteed or permitted under this BID.

2.7 Estimated Container Description and Quantities:

<u>Item Description</u>	<u>Estimated Quantity</u>
Automated Refuse Containers	2,000

SECTION 4 - BID FORM
(Must be completed by Bidder)

The undersigned proposes to furnish all materials, supplies, equipment or services set forth herein subject to all conditions outlined in the BID Document, including the general instructions and information to Bidders, at prices indicated below:

1.0 PROPOSAL

BID Proposal:

\$ 218.30 Each per assembled BLACK 230-250
Gallon Container.

Payment Terms N-30 days

Warranty 5 years- Exceptions or Deviations attached YES X NO

Delivery 20-30 days (Number of Days ARO)

Company Name Rotational Molding Inc Telephone 310-327-5401

Address 17022 S Figueroa ST Gardena, CA. 90248

Person submitting BID Mario Roma President/CEO
Print Name Title


Signature

F.O.B.

All prices of the BID shall be F.O.B. destination Beverly Hills, California; and delivery to any point within Beverly Hills shall be without additional charge.

TAX

All BID proposals shall be exclusive of tax; City staff will compute all tax involved when applicable.

ACCEPTANCE OF PROPOSAL

The City reserves the right to accept or reject any and all BIDs and reserves the right to waive technicalities where such action best serves the interests of the City. The manufacturer of the proposed materials or equipment may be required to acknowledge by written conformation that the

minimum requirements of the specifications are included in the Bidders proposal before the award of the BID.

EXCEPTIONS

Any Bidders exceptions to these terms or conditions or deviations from the written specifications shall be shown in writing and attached to BID form. However, such exceptions or deviations may result in BID rejection.

AFTER THE ACCEPTANCE AND AWARD OF THE BID BY THE CITY COUNCIL UPON RECEIPT OF A WRITTEN PURCHASE ORDER EXECUTED BY A PROPER OFFICER OF THE CITY, THIS DOCUMENT WILL CONSTITUTE THE LEGAL CONTRACT BETWEEN THE CITY AND THE SUCCESSFUL BIDDER.

If your response is "NO BID", please explain below:

COMPANY NAME: _____

ADDRESS: _____

CITY, STATE, ZIP CODE: _____

TELEPHONE NUMBER: _____

BY: _____
Print Name

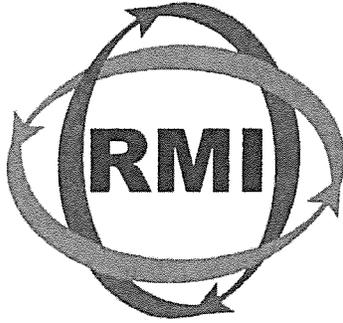
Signature

Title

Date

PLEASE RETURN TO:

CITY OF BEVERLY HILLS
OFFICE OF THE CITY CLERK, ROOM 290
455 NORTH REXFORD DRIVE
BEVERLY HILLS, CA 90210



LIMITED WARRANTY
200-240-300-450 GALLON
REFUSE CONTAINERS
5 YEAR WARRANTY
BLACK & DARK GREEN COLORS ONLY

Rotational Molding Inc. (RMI) warrants to the original purchaser that all 200, 300, and 450 gallon semi or fully automated refuse containers used in residential applications manufactured by RMI* will be free from defects in material and workmanship for a period of five (5) years from date of manufacture. If the original purchaser is an authorized RMI distributor the warranty will extend to the original purchaser from the distributor.

(*) This warranty is void if containers are used in a commercial application. Contact the manufacturer for a commercial application warranty. This Limited Warranty applies to black and dark green color containers only. Other colors have a three (3) year warranty as noted below.

The containers are warranted from failure during normal and regular use. This warranty does not cover negligence or abusive use such as burns, cuts, damage caused by vehicle hits and/or run over, maladjusted lift mechanisms or breakage due to dumping on top of a full hopper, vandalism or unauthorized alterations.

Liability of RMI under this warranty is limited to repair, or at RMI's option, replacement of defective product or part thereof which is shown to have been defective when shipped, and only then if RMI is notified in writing of the defects within the warranty period and items in question are promptly delivered to its point of manufacture at RMI's option. Transportation charges are to be prepaid.

Special Handling Precautions:

TEMPERATURE RESTRICTIONS: At temperatures reaching -20°F or below, RMI does not warranty containers from breakage during lifting and/or dumping process due to brittleness of material at these temperatures.

LIFTING MECHANISMS: Due to a wide variety of lifting mechanisms in the refuse industry, RMI will not warranty failures due to improper size or size of adjustments of grabbers to our particular containers.

Replacement products provided under the terms of this Warranty are guaranteed only for the remaining period of the original warranty period. Product believed to be defective shall be retained by the buyer for inspection by RMI to verify the existence of the covered defect.

No warranty is given by RMI for parts, components or accessories furnished by RMI but not manufactured by it. They are covered by the warranty of their manufacturer, if any. No person, firm or corporation, including the selling dealer, is authorized to assume for RMI any other liability in connection with the sale of these goods.

WARRANTY IS VOID IF PRODUCT HAS BEEN ALTERED, ABUSED, NEGLECTED OR IMPROPERLY INSTALLED. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND THE OBLIGATION AND LIABILITY OF RMI UNDER THIS WARRANTY SHALL NOT INCLUDE ANY TRANSPORTATION OR OTHER CHARGES OR THE COST OF INSTALLATION OR LIABILITY FOR DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES OR DELAY RESULTING FROM THE DEFECT. RMI'S LIABILITY AS STATED HEREIN CANNOT BE ALTERED OR ENLARGED EXCEPT IN WRITING SIGNED BY AN OFFICER OF RMI.

Effective December 1, 2010 this Limited Warranty supersedes all other warranties stated or published.

ROTATIONAL MOLDING INC.

WWW.ROTATIONALMOLDINGINC.COM
17022 SOUTH FIGUEROA STREET
GARDENA, CA 90248 – (310) 327-5401

ExxonMobil™ HDPE HD 8660 Series High Density Polyethylene Resin

Product Description

HD 8660 Series are high density hexene copolymers designed to offer superior toughness and stiffness. They are ideally suited for applications that require the optimum balance of low temperature toughness, creep resistance, stiffness, ESCR, and tear properties.

Revision Date

July 2011

General

Availability ¹	• Latin America	• North America	• South America
Additive	• HD 8660.29: Long Term UV-15 Stabilizer: Yes	• HDP8660.29: Long Term UV-15 Stabilizer: Yes	
Applications	• Industrial Products	• Intermediate Bulk Containers	• Large Agricultural Tanks

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.942 g/cm ³	0.942 g/cm ³	ASTM D4883
Melt Index (190°C/2.16 kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On	
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	—	153 °F	67 °C	ASTM D648
Deflection Temperature Under Load (DTUL) at 264psi - Unannealed	—	106 °F	41 °C	ASTM D648
Melting Temperature	264 °F	129 °C	ASTM D3418	

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield			ASTM D638
2.0 in/min (51 mm/min)	3000 psi	20 MPa	
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus - 1% Secant	130000 psi	890 MPa	ASTM D790B
Environmental Stress-Crack Resistance			ASTM D1693A
10% Igepal, F50	50 hr	50 hr	
100% Igepal, F50	550 hr	550 hr	

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Impact Strength			ARM
-40°F (-40°C), 0.125 in (3.18 mm)	80 ft-lb	108 J	
0.250 in (6.35 mm)	180 ft-lb	244 J	

Additional Information

All physical properties were measured on 3 mm. rotomolded samples unless a different value is shown, except for ESCR, which was measured on compression molded samples.

- Tensile testing was conducted at a crosshead speed of 50 mm/min. The tensile strength reported refers to the maximum stress reached during the test.
- Test procedures may be modified to accommodate operating conditions or facility limitations.

Typical properties: these are not to be construed as specifications.

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ExxonMobil Chemical ExxonMobil™ HDPE HD 8660 Series High Density Polyethylene Resin

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Notes

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

For additional technical, sales and order assistance:

Worldwide and the Americas	Asia Pacific	Europe, Middle East and Africa
ExxonMobil Chemical Company	ExxonMobil Chemical Singapore Pte. Ltd.	ExxonMobil Chemical Europe
13501 Katy Freeway	1 HarbourFront Place	Hermeslaan 2
Houston, TX 77079-1398	#06-00 HarbourFront Tower One	1831 Machelen, Belgium
USA	Singapore 098633	420-239-016-274
1-281-870-6050	86 21 240-75380	

Typical properties: these are not to be construed as specifications.

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Dow DPDA-3220 NT 7 High Density Polyethylene Resin

- Rotational molding or Injection molding
- For Large Agricultural Tanks, Intermediate Bulk Containers, Potable Water, Chemical Tanks and Industrial Products
- Excellent impact strength, stress crack resistance and processability
- Long term UV stabilization: UV-12 stabilizer
- Complies with U.S. FDA 21 CFR 177.1520 (c)3.1a
Consult the regulations for complete details.

Dow DPDA-3220 NT 7 High Density Polyethylene Resin is produced via UNIPOL™ Process Technology from Dow and is intended for rotational and injection molding is specifically designed for applications requiring excellent processability and aesthetics combined with low warpage and good mechanical properties. Processing and Stabilization: Dow DPDA-3220 NT 7

High Density Polyethylene Resin is fully heat and UV stabilized resulting in a wide processing latitude, good color retention and long life expectancy.

Note: Dow DPDA-3220 NT 7 High Density Polyethylene Resin should comply with food contact regulations FDA regulation 177.1520(c)3.1a when used unmodified and processed

according to good manufacturing practices for food contact applications. Please, contact your nearest Dow office for food contact compliance statements. The purchaser remains responsible for determining whether the use complies with all relevant regulations.

Physical Properties	Test Method	Values ⁽¹⁾ English (SI)
Resin Properties		
Melt Index (I ₂) @190°C/2.16 kg, g/10 min	ASTM D 1238	2.0
Density, g/cm ³	ASTM D 792	0.942
DSC Melting Point, °F (°C)	Dow Method	261 (127)
Molded Plaque Properties⁽²⁾		
Environmental Stress Crack Resistance, 122°F (50°C), F ₅₀ , 100% Igepal® [®] , hrs	ASTM D 1693, Condition A	> 743
Environmental Stress Crack Resistance, 122°F (50°C), F ₅₀ , 100% Igepal® [®] , hrs	ASTM D 1693, Condition B	> 1000
Flexural Modulus, psi (MPa)	ASTM D 790 B	143,000 (986)
Flexural Modulus, 1% Secant, psi (MPa)	ASTM D 790 B	107,000 (744)
Tensile Strength at Yield, psi (MPa)	ASTM D 638	3101 (21.4)
Tensile Elongation at Yield, %	ASTM D 638	12
Tensile Elongation at Break, %	ASTM D 638	705
Deflection Temperature Under Load @ 66 psi (0.455 MPa), °F (°C)	ASTM D 648	132 (55.3)
Deflection Temperature Under Load @ 264 psi (0.455 MPa), °F (°C)	ASTM D 648	107 (41.6)
Rotomolded Part Properties		
Low Temperature Impact, -40°F / -40°C, (ft-lb), 0.250 in (6.35 mm) thickness	ARM Method	> 200

(1) Typical values, not to be construed as specifications. Users should confirm results by their own tests.
 (2) Molded and tested in accordance with ASTM D4976

DOW CONFIDENTIAL - Do not share without permission

Product Stewardship

The Dow Chemical Company and its subsidiaries (Dow) has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dow products — from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

Medical Applications Policy

NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS: Dow will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- long-term or permanent contact with internal bodily fluids or tissues. "Long-term" is contact which exceeds 72 continuous hours (except, for PELLETHANE™ polyurethane elastomers only, which exceeds 30 days);
- use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted.

Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful and technically suitable for the intended use. **DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.**

Disclaimer

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NOTICE: If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; and (3) there is greater potential for Dow to change specifications and/or discontinue production.

Additional Information

North America		Europe/Middle East	+800-3694-6367
U.S. & Canada:	1-800-441-4369		+32-3-450-2240
	1-989-832-1426		
Mexico:	+1-800-441-4369		
Latin America		South Africa	+800-99-5078
Argentina:	+54-11-4319-0100		
Brazil:	+55-11-5188-9000		
Colombia:	+57-1-219-6000	Asia Pacific	+800-7776-7776
Mexico:	+52-55-5201-4700		+60-3-7958-3392

www.dowplastics.com

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ROTOLENE HD

1.- Product Description.

Hexene Copolymer High Density Polyethylene for rotational molding. This resin is fully UV8 stabilized

Available:

- Pellet and Powder
- Natural and Colors powder compounds.

Applications: High quality Polyethylene specifically designed for applications requiring excellent processability and aesthetics combined with low warpage and good mechanical properties. This product is recommended for Large Agricultural Tanks, Intermediate Bulk Containers, Potable Water, Chemical Tanks and Industrial Products. Excellent impact strength, stress crack resistance and processability.

2. Typical Characteristics of the Product.

TEST	ASTM	UNITS	RESULT
DENSITY	ASTM D1505 Reference MA-01 Own Method	gr/cm ³	0.942
MELT INDEX @190°C/2.16 kg	ASTM D1238	gr/10 min	2.0
TENSILE STRENGTH AT YIELD @ 50mm/min	ASTM D638 ²	Psi (MPa)	3000 (20.70)
TENSILE STRENGTH AT BREAK @ 50mm/min	ASTM D638 ²	Psi (MPa)	4500 (31)
FLEXURAL MODULUS 1% Secant	ASTM D790 ²	Psi (MPa)	110,000 (758.50)
TENSILE ELONGATION AT YIELD	ASTM D638 ²	%	13
TENSILE ELONGATION AT BREAK	ASTM D638 ²	%	> 1000
HEAT DEFLECTION @ 66 psi (0.45 Mpa)	ASTM D648 ²	°C	65
E.S.C.R. 100% Igepal E.S.C.R. 10% Igepal	ASTM D1693 ¹	hr	>690 >900
LOW TEMPERATURE IMPACT @ -40°C	ARM STD ² 1/8" specimen	ft.lb.(J)	58 (78.60)

3.- Product Logo



¹Plaque molded in accordance to ASTM D4976.
²Rotomolded Plaque 1/8 in (3.175mm).

The technical information, recommended uses and applications are based on the typical test results of each product. Polimeros USA LLC is not responsible for the use, nor for results based on this information, all users must run their own test to determine their suitability.

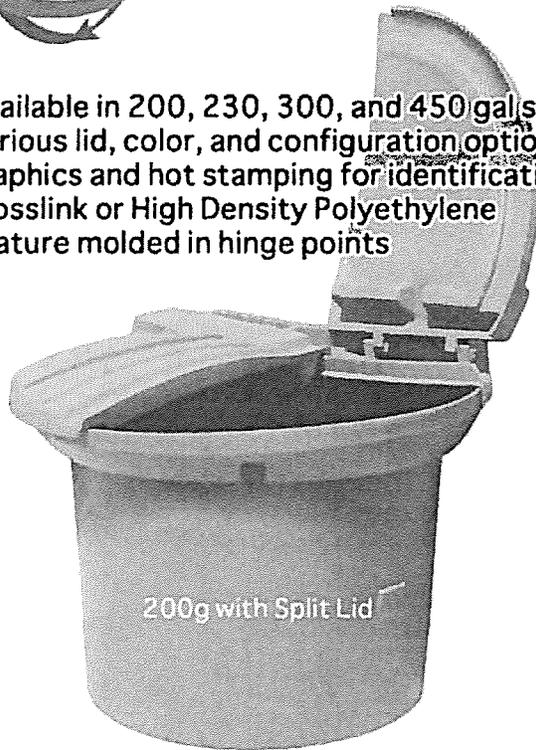
Mail: info@polimerosusa.com
Tel: 1-844-POLIMER
26210 EMERY ROAD, SUITE 202
WARRENSVILLE HEIGHTS, OHIO 44128

www.polimerosUSA.com



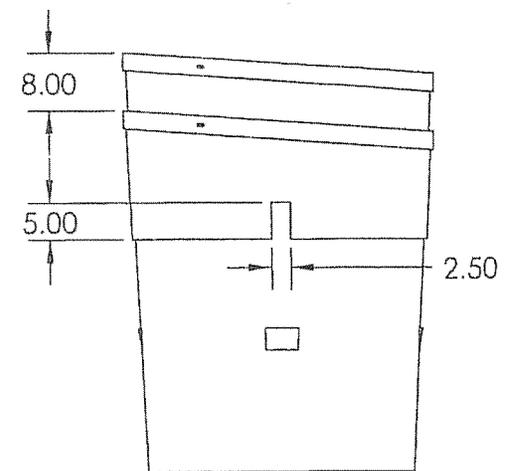
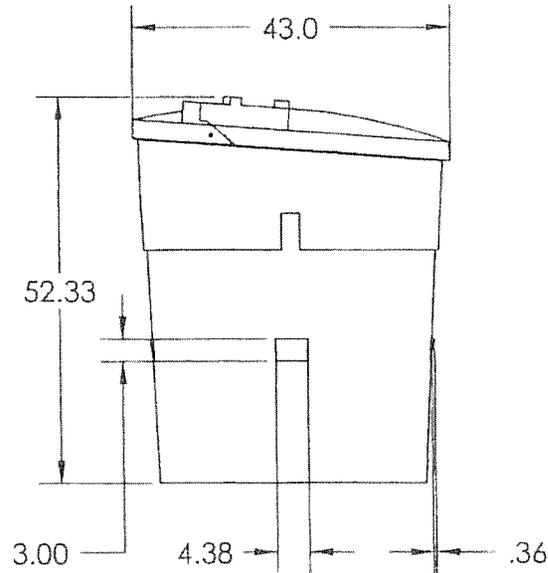
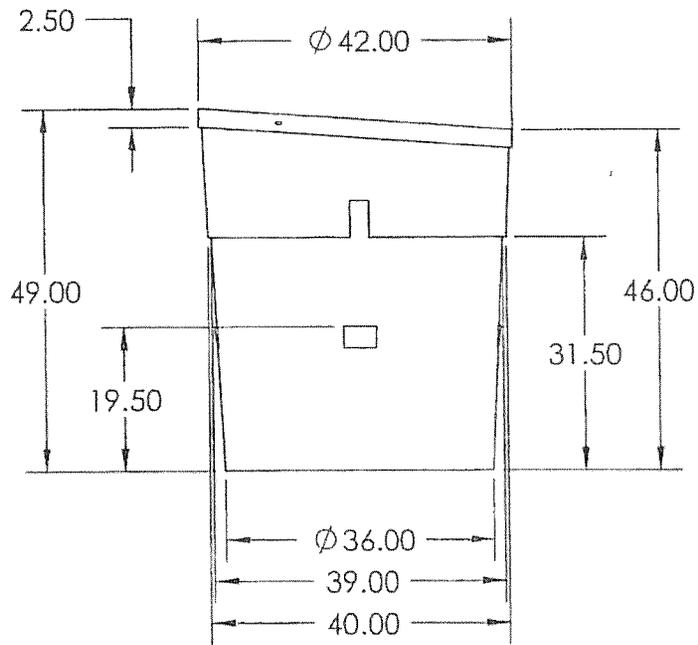
Large Automated Refuse & Recycling Containers

- Available in 200, 230, 300, and 450 gal sizes
- Various lid, color, and configuration options
- Graphics and hot stamping for identification
- Crosslink or High Density Polyethylene
- Feature molded in hinge points



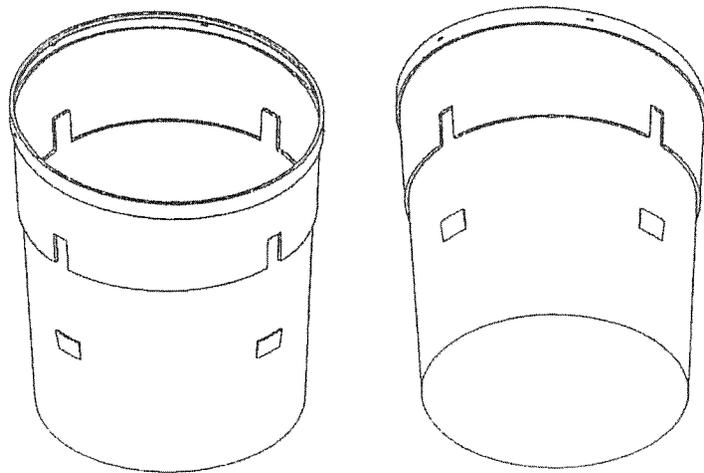
Rotational Molding Inc.
17022 South Figueroa Street, Gardena, CA 90248
P: (310) 327-5401 • F: (310) 323-9567
www.RotationalMoldingInc.com





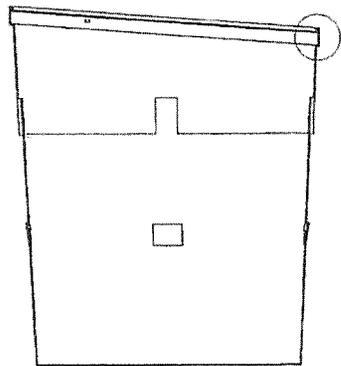
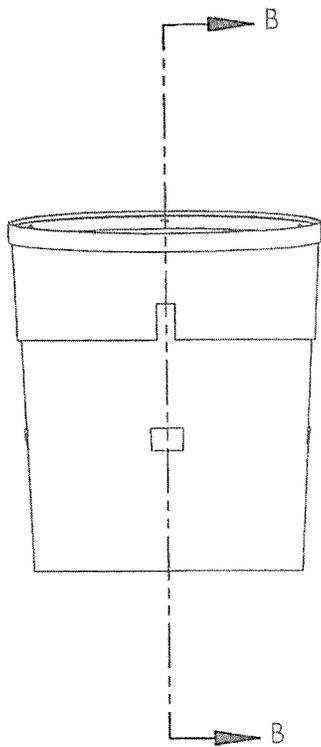
Rear lid volume: 1 Gal.
 Front lid volume: 7 Gal.
 Can volume (not liquid level): 232 Gal.
 Assembled container volume: 240 Gal.

NOTE: OUTSIDE RADIUS IS .12" MINIMUM

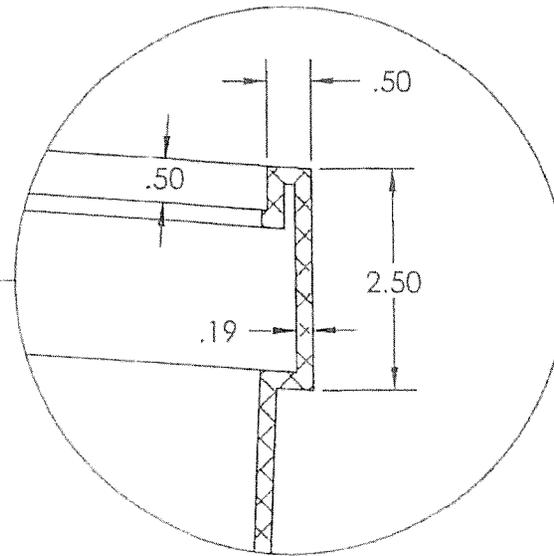


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 ROTATIONAL MOLDING INC. IS
 PROHIBITED

	NAME	DATE	Rotational Molding Inc.		
DRAWN	A. RUIZ	8/15/2012	TITLE: Container 240 Gallon slant		
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.					
COMMENTS:			SIZE A	DWG. NO.	REV 2-20-13
			SCALE: 1:24	WEIGHT:	SHEET 1 OF 2



SECTION B-B



DETAIL C
SCALE 1 : 2

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Rotational Molding Inc.	
		DIMENSIONS ARE IN INCHES	DRAWN	A. RUIZ	8/15/2012	TITLE:	
		TOLERANCES:	CHECKED			Container 240 Gallon slant	
		FRACTIONAL: ±	ENG APPR.			SIZE	DWG. NO.
		ANGULAR: MACH ± BEND ±	MFG APPR.			A	REV
		TWO PLACE DECIMAL ±	Q.A.				2-20-13
		THREE PLACE DECIMAL ±	COMMENTS:			SCALE: 1:24	WEIGHT:
		INTERPRET GEOMETRIC TOLERANCING PER					SHEET 2 OF 2
		MATERIAL:					
	NEXT ASSY	USED ON					
	APPLICATION	DO NOT SCALE DRAWING					

5

4

3

2

1



Public Works Services Department, Solid
Waste Division
 SUMMARY OF BIDS

RECEIVED
 CITY OF BEVERLY HILLS
 # 2015 MAY 21 P 2:05
 CITY CLERK'S OFFICE

BID NO.: 15-33

BID OPENING DATE: Thursday, May 21, 2015 at 2 o'clock in the afternoon

NAME OF BID: Automated Refuse Container, For 230 to 250 Gallon Capacity Container

VENDOR	BID	PARTIAL BID	NO BID	NO RESPONSE
<i>Rotational Molding, Inc.</i>	<i>\$ 218.30 ea.</i>			

Bring a copy to the bid opening.

T-bidsummary