

Petrothene

LR734045

High Density Polyethylene
Blow Molding Grade

Melt Index: 0.38 Density: 0.953



Applications *Petrothene* LR734045 is a high density polyethylene resin that exhibits good stiffness and environmental stress crack resistance. This product contains stearate as a core rod release for the injection-blow molding process. Typical applications include bottles for household chemicals, food products, and personal care products

Regulatory Status LR734045 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information about the use of specific products for specific applications.

Processing Techniques Specific recommendations for processing LR734045 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.38	g/10 min	D 1238
Density	0.953	g/cc	D 1505
Tensile Strength @ Yield	4,000	psi	D 638
Elongation @ Break	>500	%	D 638
Flexural Modulus	176,000	psi	D 790
Tensile Impact	131	ft-lb/in.	D 1822
Low Temperature Brittleness, F ₅₀	<-76	°C	D 746
Heat Deflection Temperature @ 66 psi	75	°C	D 648
Vicat Softening Point	127	°C	D 1525
Hardness, Shore D	67		D 2240
Environmental Stress Crack Resistance, F ₅₀	25	hrs	D 1693 ¹
	>500	hrs	D 2561

¹ 100% Igepal® CO-630, 50°C

® Igepal is a registered trademark of Rhône-Poulenc Co., Inc.

LyondellBasell markets this product through the following entities:

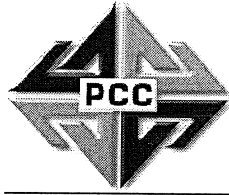
- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

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Users should review the applicable Material Safety Data Sheet before handling the product.

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Plastics Color Corporation
www.plasticscolor.com

NC 1175C WHITE

BASE RESIN: LDPE/LLDPE COMBINATION

MELT INDEX: 4 - 12gms/10mins.....ASTM-D-1238 (E)

DENSITY: .916 - .926gms/cm³.....ASTM D-1505

CONCENTRATE:

MELT INDEX: 4 - 8gms/10mins.....ASTM D 1238 (E)

BULK DENSITY: 45 - 51lbs/cu.ft.....ASTM D-1895-67 (B)

PERCENT LOADING: 51.5% ± 2% (Formulated)

U.V. STABILIZER: None Added

MOISTURE ANALYSIS: .5% Maximum.....Elec. Moisture Analyzer

F.D.A STATUS: ACCEPTABLE FOR FOOD CONTACT APPLICATIONS

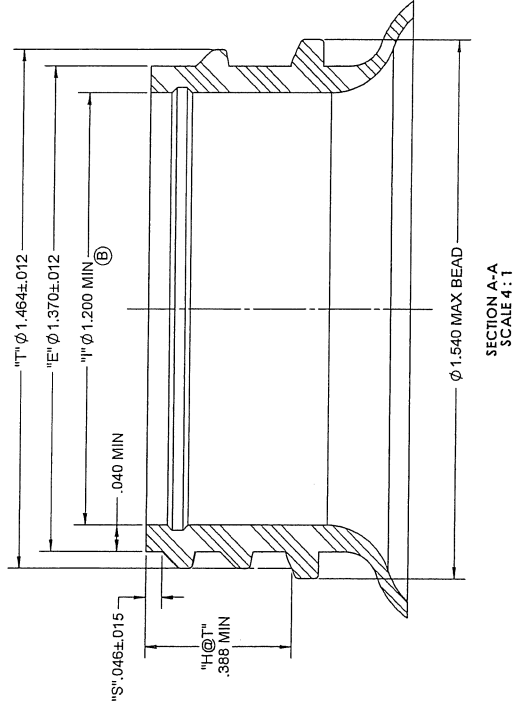
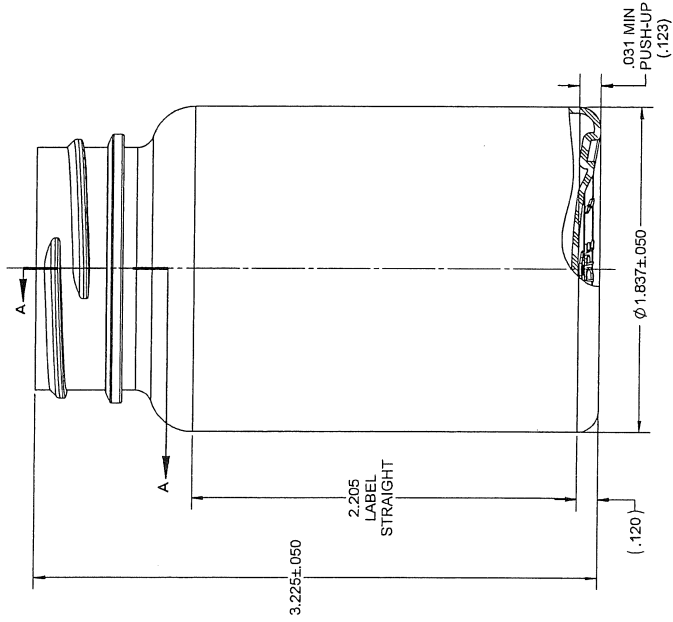
PELLET SPECIFICATION: 1/8 Strand or Underwater Cut Pellet

PROCESSING: This material is considered to be thermally stable in the normal and customary processing range of 350° - 450° F. Extended polymer and concentrate residence time in the process equipment may require that process temperature profiles be reviewed and/or adjusted to insure a proper and suitable product.

Date: January 29, 2014

PRODUCTION RELEASE

- NOTES:
 1. NOT SCALE DRAWING
 2. THIS DRAWING SUPERSEDES LEGACY SETCO DRAWING #D06-034
 3. ALL NECK FINISH DIAMETER DIMENSIONS ARE THE AVERAGE OF TWO MEASUREMENTS TAKEN ACROSS THE MAJOR AND MINOR AXES. THE LIMITS OF QUALITY ARE .029"
 4. MIN WALL THICKNESS THRU LABEL PANEL TO BE .020"



ⓑ THIS DRAWING IS APPLICABLE TO ALL J22 MOLD SETS

PART DATA	
MATERIAL	HDPE
ESTIMATED WEIGHT	13.5g ±1.5g
OVERFLOW CAPACITY	112.5cc ±4.0cc
NECK FINISH	WIDE BEAD M98-SP400

ARE INSPECTION DIMENSIONS	
XXX	(XXX)

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TOLERANCE UNLESS SPECIFIED	
XXX	+/- .031
XX	+/- .063
X	+/- .094
Fractional	+/- 1/8"
Angles	+/- 1/2°

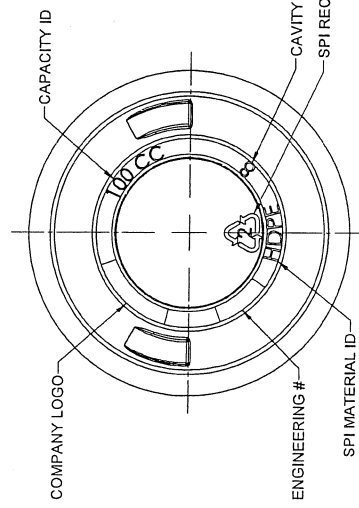
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 DRAWING TYPE: CUSTOMER



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