

Petrothene

GA672962

High Density Polyethylene

Rotational Molding Grade

Melt Index 1.7 Density 0.944

lyondellbasell

Applications

Petrothene GA672962 is a hexene HDPE resin selected by customers for rotationally molding large tank applications. GA672962 is UV-stabilized and is available in a 35 mesh powder as *Microthene* MP672962.

Processing Techniques

Specific recommendations for processing GA672962 can be made only when the required properties, processing equipment and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	1.7	g/10 min	D1238
Density	0.944	g/cc	D1505
ESCR, Condition A, F ₅₀			
100% Igepal®, CO-630	600	hrs	D1693
Flexural Modulus, 1% Secant	142,000	psi	D790
Flexural Modulus, 2% Secant	120,000	psi	D790
Tensile Strength @ Yield ¹	3,300	psi	D638
Deflection Temperature at Load			
@ 66 psi	65	°C	D648
@ 264 psi	43	°C	D648
Low Temperature Impact (-40°F)			
1/8" specimen	35	ft-lbs	ARM*
1/4" specimen	155	ft-lbs	ARM*

¹ Crosshead speed – 2 in/ min

* Association of Rotational Molders (ARM) International Test Protocol

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

TBD – To Be Determined; Testing is In Progress.

Typical properties; not to be construed as specifications.

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

Microthene and *Petrothene* are trademarks owned or used by the LyondellBasell family of companies. *Microthene* and *Petrothene* are registered in the U.S. Patent and Trademark Office.

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

This product(s) may not be used in:

- (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices, without prior notification to Seller for each specific product and application; or
- (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II Medical Devices; Health Canada Class II or Class III Medical Devices; European Union Class II Medical Devices; film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices; packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; and tobacco related products and applications. Additionally, the product(s) may not be used in: (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices; (ii) applications involving permanent implantation into the body; (iii) life-sustaining medical applications; and (iv) lead, asbestos or MTBE related applications. All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

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

Equistar Chemicals, LP
 1221 McKinney Street, Suite 300
 Houston, Texas 77010
 (888) 777-0232
www.lyondellbasell.com

© LyondellBasell Industries Holdings, B.V. 2014

3520/0314