

Petrothene

GA635662

Linear Low Density Polyethylene

Rotational Molding Grade

Melt Index 6.7 Density 0.935

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Applications

Petrothene GA635662 is a high flow hexene LLDPE resin for the rotational molding of large hollow objects, including toys, playground equipment, drums and agricultural and chemical storage containers. GA635662 exhibits excellent ESCR, low temperature impact strength and warp resistance. GA635662 is UV-stabilized and available in a 35-mesh powder as *Microthene* MP635662.

Regulatory Status

GA635662 meets the requirements of 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.

Processing Techniques

Specific recommendations for conditions under which GA635662 should be processed can be made only when the end use and type of processing equipment are known. For exact recommendations, please contact your Equistar sales representative.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method	Sample
Melt Index (190/2.16)	6.7	g/10 min	D 1238	Pellets
Density molded	0.935	g/cc	D 1505	Compression
ESCR, Condition A, F ₅₀				
100% Igepal®, CO-630	>1,000	hrs	D 1693	Rotomolded**
10% Igepal®, CO-630	92	hrs	D 1693	Rotomolded**
Flexural Modulus, 1 % Secant	87,200	psi	D 790	Rotomolded**
Tensile Strength @ Yield, 2"/min*	2,500	psi	D 638	Rotomolded**
Heat Distortion Temperature				
@ 66 psi	50	°C	D 648	Rotomolded**
@ 264 psi	35	°C	D 648	Rotomolded**
Low Temperature Impact				
1/8" specimen	45	ft-lbs	ARM STD	Rotomolded**
1/4" specimen	150		(-40°F impact)	Rotomolded
Meets FDA Requirements	yes			
UV-stabilized	yes			

* Type IV Specimen

** Thickness of specimen is 1/8".

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

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