

Petrothene®

GA 635-662

Linear Low Density Polyethylene
Rotational Molding Grade
Melt Index 6.7 Density 0.935

Applications

PETROTHENE GA 635-662 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.

Certification

GA 635-662 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 GA 635-662 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.

Physical Properties

GA 635-662 exhibits excellent ESCR, low temperature impact strength and warp resistance. GA 635-660 is UV-stabilized and available in a 35-mesh powder as MICROTHENE® MP 635-662.

Property	Value	Units	ASTM Test Method	Sample
Melt Index (190/2.16)	6.7	g/10 min	D 1238	Pellets
Density	0.935	g/cm ³	D 1505	Compression molded
ESCR, Cond. A, F ₅₀				
100% Igepal®	>1,000	hrs	D 1693	Rotomolded**
10% Igepal®	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	ft-lbs	-40°F impact	Rotomolded
Meets FDA Requirements	yes			
UV-stabilized	yes			

* Type IV Specimen

** Thickness of specimen is 1/8"

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