

Petrothene

GA643962

Linear Low Density Polyethylene

Rotational Molding Grade

Melt Index 3.6 Density 0.9395



Applications

Petrothene GA643962 is a linear medium density polyethylene selected by customers for rotomolding a variety of objects, including drums, agricultural and chemical storage containers, playground equipment and municipal trash containers. GA643962 is UV-stabilized and is also available in 35-mesh powder as *Microthene* MP643962.

Processing Techniques

Specific recommendations for conditions under which GA643962 should be processed can be made only when the end use and type of processing equipment are known. For further suggestions, please contact your Equistar sales representative.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	3.6	g/10 min	D1238
Density	0.9395	g/cc	D1505
ESCR, Condition A, F ₅₀			
100% Igepal®□, CO-630	>1,000	hrs	D1693
Flexural Modulus, 1 % Secant	119,000	psi	D790
Flexural Modulus, 2 % Secant	101,000	psi	D790
Tensile Strength @ Yield ¹	2,900	psi	D638
Deflection Temperature at Load			
@ 66 psi	58	°C	D648
@ 264 psi	40	°C	D648
Low Temperature Impact (-40°F)			
1/8" specimen	40	ft-lbs	ARM*
1/4" specimen	160	ft-lbs	ARM*

¹ Crosshead speed – 2 in/ min

* Association of Rotational Molders (ARM) International Test Protocol

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Typical properties; not to be construed as specifications.