

Microthene

MP635962

Linear Low Density Polyethylene Powder

Rotational Molding Grade

Melt Index 6.7 Density 0.935



Applications

Microthene MP635962 is a high flow hexene LLDPE powder selected by customers for the rotational molding of large hollow objects, including toys, playground equipment, drums and agricultural and chemical storage containers. MP635962 exhibits high ESCR, low temperature impact strength and warp resistance. MP635962 is a UV-stabilized, 35-mesh powder and is also available in pellet form as *Petrothene* GA635962.

Processing Techniques

Specific recommendations for conditions under which MP635962 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	6.7	g/10 min	D1238
Density	0.935	g/cc	D1505
ESCR, Condition A, F ₅₀			
100% Igepal®, CO-630	>1,000	hrs	D1693
Flexural Modulus, 1 % Secant	107,000	psi	D790
Flexural Modulus, 2 % Secant	91,000	psi	D790
Tensile Strength @ Yield ¹	2,700	psi	D638
Deflection Temperature at Load			
@ 66 psi	57	°C	D648
@ 264 psi	39	°C	D648
Low Temperature Impact (-40°F)			
1/8" specimen	40	ft-lbs	ARM*
1/4" specimen	145	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.