

Petrothene

GA672962

High Density Polyethylene

Rotational Molding Grade

Melt Index 1.7 Density 0.944



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

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TBD – To Be Determined; Testing is In Progress.

Typical properties; not to be construed as specifications.