

Microthene

# MP672962

High Density Polyethylene Powder

Rotational Molding Grade

Melt Index 1.7 Density 0.944



## Application

*Microthene* MP672962 is a hexene HDPE powder selected by customers for rotationally molding large tank applications. MP672962 is a UV-stabilized, 35-mesh powder and is also available in pellet form as *Petrothene* GA672962.

## Processing Techniques

Specific recommendations for conditions under which MP672962 should be processed can be made only when the end use and type of processing equipment 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 <sub>50</sub>			
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 <sup>1</sup>	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*

<sup>1</sup> 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.