

Microthene® MP672962

High Density Polyethylene

LyondellBasell Industries

Message:

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.

General Information			
Additive	UV Stabilizer		
Uses	Tanks		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.944	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	600	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.8	MPa	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	979	MPa	
2% Secant	827	MPa	
Impact	Nominal Value	Unit	Test Method
ARM Impact			
-40°C, 3.18 mm	47.5	J	
-40°C, 6.35 mm	210	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	65.0	°C	
1.8 MPa, Unannealed	43.0	°C	
NOTE			
1.	51 mm/min		

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Recommended distributors for this material

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