

Petrothene® GA672962

High Density Polyethylene

LyondellBasell Industries

Message:

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.

General Information			
Additive	UV Stabilizer		
Uses	Tanks		
Forms	Pellets		
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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