

Microthene® MP625962

Linear Low Density Polyethylene

LyondellBasell Industries

Message:

Microthene MP625962 is a hexene LLDPE rotational molding powder with excellent flow properties selected by customers to produce a variety of objects such as toys, playground equipment, drums and agricultural and chemical storage containers. MP625962 exhibits high ESCR, low temperature impact strength and warp resistance. MP625962 is a UV-stabilized, 35-mesh powder and is also available in pellet form as Petrothene GA625962.

General Information			
Additive	UV stabilizer		
Features	High ESCR (Stress Cracking Resistance)		
	hexene comonomer		
	Bending resistance		
	Good liquidity		
	Low temperature impact resistance		
Uses	Industrial container		
	Agricultural application		
	Container		
	Toys		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal CO-630, F50)	> 1000	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	18.6	MPa	ASTM D638
Flexural Modulus			ASTM D790
1% secant	724	MPa	ASTM D790
2% secant	627	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°C, 3.18 mm	54	J	ARM
-40°C, 6.35 mm	210	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	55.0	°C	ASTM D648
1.8 MPa, not annealed	39.0	°C	ASTM D648

NOTE

1. 51 mm/min

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