

Microthene MP625060

LyondellBasell Industries - Linear Low Density Polyethylene

General Information

Product Description

Microthene MP625060 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. MP625060 exhibits high ESCR, low temperature impact strength and warp resistance. MP625060 is a 35-mesh powder with UV20+ UV resistance and is also available in pellet form as Petrothene GA625060.

General

Uses	<ul style="list-style-type: none"> Containers Drums 	<ul style="list-style-type: none"> Rigid Packaging Sporting Goods 	<ul style="list-style-type: none"> Toys
Processing Method	<ul style="list-style-type: none"> Rotational Molding 		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (23°F)	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 (ESCR) 100% Igepal, F50	> 1000	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2700	psi	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	105000	psi	
2% Secant	90600	psi	
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°F, 0.125 in	55	ft-lb	
-40°F, 0.250 in	155	ft-lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	131	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	102	°F	ASTM D648