

Microthene MP564189

LyondellBasell Industries - Linear Low Density Polyethylene

General Information

Product Description

Microthene MP564189 exhibits good stiffness and low temperature toughness. Typical applications include trash cans, industrial containers, housewares and toys. MP564189 is 16 mesh powder and is also available in pellet form Petrothene GA564189.

General

Uses	• Rigid Packaging
Processing Method	• Injection Molding

Properties¹

Physical	Nominal Value	Unit	Test Method
Density (23°F)	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Spiral Flow	12.6	in	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	2030	psi	ASTM D638
Tensile Strength (Break, 73°F)	1160	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	12	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	63800	psi	
2% Secant	55100	psi	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	57		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	113	°F	ASTM D648
Brittleness Temperature ²	< -105	°F	ASTM D746
Vicat Softening Temperature	196	°F	ASTM D1525

Notes

¹ Typical properties: these are not to be construed as specifications.

² F50