

Microthene MP574189

LyondellBasell Industries - Linear Low Density Polyethylene

General Information

Product Description

Microthene MP574189 exhibits excellent flow and impact with good stiffness. Typical applications include lids, closures, containers, housewares and medical items. MP574189 is 16 mesh powder and is also available in pellet form Petrothene GA574189.

General

Uses	• Rigid Packaging
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (23°F)	0.926	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Spiral Flow	17.9	in	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	2180	psi	ASTM D638
Tensile Strength (Break, 73°F)	1310	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	11	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	69600	psi	
2% Secant	60900	psi	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	117	°F	ASTM D648
Brittleness Temperature ²	-97.6	°F	ASTM D746
Vicat Softening Temperature	183	°F	ASTM D1525

Notes

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

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