Microthene MN71400

LyondellBasell Industries - Low Density Polyethylene

General Information

Product Description

Microthene G polyolefin powders are ground, irregularly-shaped particles for use in a broad range of specialty applications. Microthene G powders combine the unique properties of a polyolefin resin with a small ground particle size.

General

Uses	• Automotive Applications • Automotive Interior Parts • Color Concentrates	• Construction Applications • Consumer Applications • Flexible Packaging	• Industrial Applications • Medical/Healthcare Applications • Structural Parts
Forms	• Powder		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (23°F)	0.912	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	70	g/10 min	ASTM D1238
Average Particle Size	50	mesh	Internal Method
Particle Shape	Irregular		Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	1120	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus	27000	psi	ASTM D790
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore D [2]	51		
Shore D, 15 sec	44		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-8.86	°F	ASTM D746
Vicat Softening Temperature	168	°F	ASTM D1525
Peak Melting Temperature	213	°F	ASTM D3418

Notes

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

[2] max