

Microthene® G MN70100

Low Density Polyethylene

LyondellBasell Industries

Message:

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 Information			
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.912	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	70	g/10 min	ASTM D1238
Average Particle Size	35	mesh	
Particle Shape	Irregular		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	ASTM D2240		
Shore D	51		
Shore D, 15 sec	44		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	7.70	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus	186	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-22.7	°C	ASTM D746
Vicat Softening Temperature	75.6	°C	ASTM D1525
Peak Melting Temperature	101	°C	ASTM D3418

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