

Microthene® G MN71120

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	0.915	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	22	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	49		
Shore D, 15 sec	43		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	9.30	MPa	ASTM D638
Tensile Elongation (Break)	610	%	ASTM D638
Flexural Modulus	228	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-34.6	°C	ASTM D746
Vicat Softening Temperature	81.0	°C	ASTM D1525
Melting Temperature	103	°C	

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