

# Microthene® G MN72200

Low Density Polyethylene

LyondellBasell Industries

## Message:

Microthene G polyolefin powders are ground, irregularly-shaped particles designed 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	0.923	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.7	g/10 min	ASTM D1238
Average Particle Size	50	mesh	
Particle Shape	Irregular		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	56		
Shore D, 15 sec	50		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	11.8	MPa	ASTM D638
Tensile Elongation (Break)	610	%	ASTM D638
Flexural Modulus	330	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-68.1	°C	ASTM D746
Vicat Softening Temperature	94.6	°C	ASTM D1525
Melting Temperature	109	°C	

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## Recommended distributors for this material

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