

# Microthene MN72700

## 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	<ul style="list-style-type: none"> <li>Automotive Applications</li> <li>Automotive Interior Parts</li> <li>Color Concentrates</li> </ul>	<ul style="list-style-type: none"> <li>Construction Applications</li> <li>Consumer Applications</li> <li>Flexible Packaging</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Applications</li> <li>Medical/Healthcare Applications</li> <li>Structural Parts</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Powder</li> </ul>		

### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (23°F)	0.922	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	24	g/10 min	ASTM D1238
Average Particle Size	16	mesh	Internal Method
Particle Shape	Irregular		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1220	psi	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Flexural Modulus	49600	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D <sup>2</sup>	56		
Shore D, 15 sec	49		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.9	°F	ASTM D746
Vicat Softening Temperature	188	°F	ASTM D1525
Peak Melting Temperature	229	°F	ASTM D3418

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> max