

Microthene G

MN71120

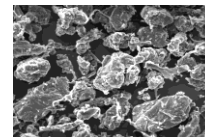
Low Density Polyethylene
Ground Polyolefin Powder

Melt Index: 22 Density: 0.915



General 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.



Regulatory Status

MN71120 meets the requirements of the Food and Drug Administration, 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply. Contact your Equistar product safety representative for more information.

Processing Techniques

The small size and irregular shape of *Microthene* G powders facilitate dispersion with other components. Specific suggestions can be made only when equipment, materials, process parameters and conditions of use are known.

Typical Properties

Polymer Property	Nominal Value	Units	Test Method
Melt Index	22	g/10 min	ASTM D1238
Density	0.915	g/cc	ASTM D1505
Vicat Softening Point	81.0 / 177.8	°C/°F	ASTM D1525
Peak Melting Point	102.7 / 216.9	°C/°F	ASTM D3418
Low Temperature Brittleness	-34.6 / -30.3	°C/°F	ASTM D746
Tensile Strength @ Break	9.3 / 1,350	MPa/psi	ASTM D638
Elongation @ Break	610	%	ASTM D638
Flexural Modulus	228 / 33,000	MPa/psi	ASTM D790
Hardness, Shore D	49 / 43	max / 15 sec	ASTM D2240
Powder Property			
Particle Shape	Irregular		
Average Particle Size	35	mesh	ETM RoTap Sieve Analysis*

* ETM = Equistar Test Method

These are typical values not to be construed as specification limits.