

LyondellBasell Microthene[®] G MN71020 Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

General Description 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. Contact your Equistar sales and/or technical service representative for more information and specific recommendations for your application.

Process Techniques The microfine size and irregular shape of Microthene G powders facilitate dispersibility with other components. Specific suggestions can be made only when equipment, materials, process parameters and conditions of use are known. Contact your Equistar technical representative for more information.

Regulatory Status Microthene powders comply with certain Food and Drug Administration regulations, which may or may not permit their contact with food. Specific limitations or conditions of use may apply. Contact your Equistar Regulatory Affairs representative for more information. This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Microthene-G-MN71020-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in ³	ASTM D1505
Particle Mesh Size	50 Mesh	50 Mesh	Irregular shape. ETM = Equistar Test Method; ETM Malvern
Melt Flow	22 g/10 min	22 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ASTM D2240
Tensile Strength at Break	11.0 MPa	1600 psi	ASTM D638
Elongation at Break	550 %	550 %	ASTM D638
Flexural Modulus	0.121 GPa	17.6 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	104 °C	219 °F	ASTM D3418
Vicat Softening Point	83.0 °C	181 °F	ASTM D1525
Brittleness Temperature	-45.0 °C	-49.0 °F	ASTM D746

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