LyondellBasell MicrotheneÂ® G MN70100 Low Density Polyethylene

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

Material Notes:

General DescriptionMicrothene 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 TechniquesThe 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 StatusMicrothene 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-MN70100-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.912 g/cc	0.0329 lb/inÂ³	ASTM D1505
Particle Mesh Size	35 Mesh	35 Mesh	Irregular shape. ETM = Equistar Test Method; ETM Malvern
Melt Flow	70 g/10 min	70 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	ASTM D2240
Tensile Strength at Break	6.89 MPa	1000 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Modulus	0.121 GPa	17.5 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	102 Â°C	216 Â°F	ASTM D3418
Vicat Softening Point	78.0 Â°C	172 Â°F	ASTM D1525
Brittleness Temperature	-10.0 Â°C	14.0 Â°F	ASTM D746

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