

LyondellBasell Microthene[®] F FA70900 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

General Description Microthene F polyolefin powders are ultra-fine, spherically shaped particles with narrow size distribution suitable for use in a broad range of specialty applications. Microthene F powders combine the unique properties of a polyolefin resin with a microfine particle size. Materials may contain flow-enhancing agents as required for processing and handling. Contact your Equistar sales and/or technical service representative for more information and specific recommendations for your application.

Process Techniques The microfine size and spherical shape of Microthene F powders facilitate dispersibility in aqueous or organic systems. 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-F-FA70900-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D1505
Particle Size	5.0 - 50 μ m	5.0 - 50 μ m	Spherical shape, 5-50 micron distribution. ETM = Equistar Test Method; ETM Malvern
Maximum Moisture Content	0.10	0.10	ETM 156
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	134 $^{\circ}$ C	273 $^{\circ}$ F	ASTM D3418
Vicat Softening Point	125 $^{\circ}$ C	257 $^{\circ}$ F	ASTM D1525
Brittleness Temperature	-76.0 $^{\circ}$ C	-105 $^{\circ}$ F	ASTM D746

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China