Technical Data Sheet

Microthene FA70900

lyondellbasell

High Density Polyethylene

Product 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.

Regulatory Status

For regulatory compliance information, see *Microthene* FA70900 <u>Product Stewardship Bulletin (PSB) and Safety</u> Data Sheet (SDS).

Status Commercial: Active Availability North America

Application Automotive Parts; Colour Concentrates; Industrial; Interior Automotive Applications;

Structural Parts

Market Consumer Products; Flexible Packaging; Healthcare; Industrial, Building &

Construction

Processing Method Powders

Nominal	English	Nominal	SI	
Value	Units	Value	Units	Test Method
10	g/10 min	10	g/10 min	ASTM D1238
0.952	g/cm³	0.952	g/cm³	ASTM D1505
160000	psi	1103	MPa	ASTM D790
1700	psi	11.7	MPa	ASTM D638
400	%	400	%	ASTM D638
66		66		ASTM D2240
257.0	°F	125.0	°C	ASTM D1525
<-105	°F	<-76	°C	ASTM D746
273.2	°F	134.0	°C	ASTM D3418
Spherical		Spherical		LYB Method
20	micron	20	micron	LYB Method
5 - 50	micron	5 - 50	micron	LYB Method
<=0.1	%	<=0.1	%	LYB Method
	10 0.952 160000 1700 400 66 257.0 <-105 273.2 Spherical 20 5 - 50	Value Units 10 g/10 min 0.952 g/cm³ 160000 psi 1700 psi 400 % 66 Section of the control of the con	Value Units Value 10 g/10 min 10 0.952 g/cm³ 0.952 160000 psi 1103 1700 psi 11.7 400 % 400 66 66 257.0 °F 125.0 <-105	Value Units Value Units 10 g/10 min 10 g/10 min 0.952 g/cm³ 0.952 g/cm³ 160000 psi 1103 MPa 1700 psi 11.7 MPa 400 % 400 % 66 66 66 257.0 °F 125.0 °C <-105

Notes

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

Processing Techniques

The microfine size and spherical shape of *Microthene* F powders facilitate dispersion in aqueous or organic systems.

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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LyondellBasell Technical Data Sheet Date: 2/23/2023