

Microthene® F FN51000

Low Density Polyethylene

LyondellBasell Industries

Message:

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.

General Information			
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.3	g/10 min	ASTM D1238
Average Particle Size	20	µm	ETM Malvern
Particle Shape	Spherical		
Particle Size Distribution	5.0 to 50.0	µm	ETM Malvern
Maximum Moisture Content	0.10	%	ETM 156
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	12.4	MPa	ASTM D638
Tensile Elongation (Break)	550	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Vicat Softening Temperature	97.0	°C	ASTM D1525
Peak Melting Temperature	110	°C	ASTM D3418

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT