Technical Data Sheet

Microthene MU76000

Ethylene Vinyl Acetate

Product Description

Microthene G polyolefin powders are ground, irregularly-shaped particles 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.

Regulatory Status

For regulatory compliance information, see *Microthene* MU76000 Product Stewardship Bulletin (PSB) and Safety 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

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Equivalent Melt Index	32	g/10 min	32	g/10 min	ASTM D1238
Density, (23 °C)	0.941	g/cm³	0.941	g/cm³	ASTM D1505
Vinyl Acetate Content	18	%	18	%	LYB Method
Mechanical					
Tensile Strength at Break	1360	psi	9.4	MPa	ASTM D638
Tensile Elongation at Break	760	%	760	%	ASTM D638
Hardness					
Shore Hardness, (Shore D)	30		30		ASTM D2240
Thermal					
Vicat Softening Point	129	°F	54	°C	ASTM D1525
Low Temperature Brittleness	<-105	°F	<-76	°C	ASTM D746
Peak Melting Point	185	°F	85	°C	ASTM D3418
Additional Information					
Particle Shape	Irregular		Irregular		LYB Method
Average Particle Size	35	mesh	35	mesh	LYB Method

Notes

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

Processing Techniques

The small size and irregular shape of *Microthene* G powders facilitate dispersion with other components.

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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Users should review the applicable Safety Data Sheet before handling the product.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:
(i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
(ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
(iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
(iv) tobacco related products and applications, electronic cigarettes and similar devices.

The product(s) may not be used in:
(i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
(ii) applications involving permanent implantation into the body;
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