

## Technical Data Sheet

### *Microthene* MU76300



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* MU76300 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	North America
<b>Application</b>	Automotive Parts; Colour Concentrates; Industrial; Interior Automotive Applications; Structural Parts
<b>Market</b>	Consumer Products; Flexible Packaging; Healthcare; Industrial, Building & Construction
<b>Processing Method</b>	Powders

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Equivalent Melt Index	10	g/10 min	10	g/10 min	ASTM D1238
Density, (23 °C)	0.927	g/cm <sup>3</sup>	0.927	g/cm <sup>3</sup>	ASTM D1505
Vinyl Acetate Content	9	%	9	%	LYB Method
<b>Mechanical</b>					
Flexural Modulus	20800	psi	144	MPa	ASTM D790
Tensile Strength at Break	1740	psi	12.0	MPa	ASTM D638
Tensile Elongation at Break	760	%	760	%	ASTM D638
<b>Hardness</b>					
Shore Hardness					
(Shore D, max)	47		47		ASTM D2240
(Shore D, 15 sec)	42		42		ASTM D2240
<b>Thermal</b>					
Vicat Softening Point	161.6	°F	72.0	°C	ASTM D1525
Low Temperature Brittleness	<-105	°F	<-76	°C	ASTM D746
Peak Melting Point	203.2	°F	95.1	°C	ASTM D3418
<b>Additional Information</b>					
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/>.

© LyondellBasell Industries Holdings, B.V. 2016

### Disclaimer

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally.

SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

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;
- (iii) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

In addition to the above, LyondellBasell may further prohibit or restrict the use of its products in certain applications. For further information, please contact a LyondellBasell representative.

## Trademarks

*Adflex, Adstif, Adsyl, Akoafloor, Akoalit, Alastian, Alathon, Alkylate, Amazing Chemistry, Aquamarine, Aquathene, Avant, Catalloy, Clyrell, CRP, Crystex, Dexflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Fueling the power to win, Glacido, Hifax, Hiflex, Histif, Hostacom, Hostalen, Hyperzone, Ideal, Indure, Integrate, Koattro, LIPP, Lucalen, Luflexen, Lupolen, Luposim, Lupostress, Lupotech, Metocene, Microthene, Moplen, MPDIOL, Nerolex, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Prodflex, Pro-fax, Punctilious, Purell, Refax, SAA100, SAA101, Sequel, Softell, Spherilene, Spheripol, Spherizone, Starflex, Stretchene, Superflex, TBAC, Tebol, T-Hydro, Toppyl, Trans4m, Tufflo, Ultrathene, Vacido and Valtec* are trademarks owned and/or used by the LyondellBasell family of companies.

*Adsyl, Akoafloor, Akoalit, Alastian, Alathon, Aquamarine, Avant, CRP, Crystex, Dexflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Hifax, Hostacom, Hostalen, Ideal, Integrate, Koattro, Lucalen, Lupolen, Metocene, Microthene, Moplen, MPDIOL, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Pro-fax, Punctilious, Purell, Sequel, Softell, Spheripol, Spherizone, Starflex, Tebol, T-Hydro, Toppyl, Tufflo and Ultrathene* are registered in the U.S. Patent and Trademark Office.