

## Technical Data Sheet

**Microthene G MU76300**Ethylene Vinyl Acetate Copolymer  
LyondellBasell Industries**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.

**General**

|                 |                      |
|-----------------|----------------------|
| Material Status | • Commercial: Active |
| Availability    | • North America      |
| Features        | • Copolymer          |
| Forms           | • Powder             |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)      | Test Method     |
|-------------------------------------------|-------------------------|-------------------------|-----------------|
| Density                                   | 0.927 g/cm <sup>3</sup> | 0.927 g/cm <sup>3</sup> | ASTM D1505      |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 10 g/10 min             | 10 g/10 min             | ASTM D1238      |
| Vinyl Acetate Content                     | 9.0 wt%                 | 9.0 wt%                 |                 |
| Average Particle Size                     | 35 mesh                 | 35 mesh                 | Internal Method |
| Particle Shape                            | Irregular               | Irregular               |                 |
| Mechanical                                | Nominal Value (English) | Nominal Value (SI)      | Test Method     |
| Tensile Strength (Break)                  | 1740 psi                | 12.0 MPa                | ASTM D638       |
| Tensile Elongation (Break)                | 760 %                   | 760 %                   | ASTM D638       |
| Flexural Modulus                          | 20900 psi               | 144 MPa                 | ASTM D790       |
| Hardness                                  | Nominal Value (English) | Nominal Value (SI)      | Test Method     |
| Durometer Hardness                        |                         |                         | ASTM D2240      |
| Shore D                                   | 47                      | 47                      |                 |
| Shore D, 15 sec                           | 42                      | 42                      |                 |
| Thermal                                   | Nominal Value (English) | Nominal Value (SI)      | Test Method     |
| Brittleness Temperature                   | -105 °F                 | -76.0 °C                | ASTM D746       |
| Vicat Softening Temperature               | 162 °F                  | 72.0 °C                 | ASTM D1525      |
| Melting Temperature                       | 203 °F                  | 95.1 °C                 |                 |

**Notes**

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

**Processing Techniques**

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

**Product Storage and Handling**

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

**Company Information**

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

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