

## 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.

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| <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  |