

## LyondellBasell Microthene<sup>®</sup> G MN71400 Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

### Material Notes:

**General Description**Microthene G polyolefin powders are ground, irregularly-shaped particles designed 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. Contact your Equistar sales and/or technical service representative for more information and specific recommendations for your application.

**Process Techniques**The microfine size and irregular shape of Microthene G powders facilitate dispersibility with other components. Specific suggestions can be made only when equipment, materials, process parameters and conditions of use are known. Contact your Equistar technical representative for more information.

**Regulatory Status**Microthene powders comply with certain Food and Drug Administration regulations, which may or may not permit their contact with food. Specific limitations or conditions of use may apply. Contact your Equistar Regulatory Affairs representative for more information. This product is from the former Equistar product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Microthene-G-MN71400-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_LyondellBasell-Microthene-G-MN71400-Low-Density-Polyethylene.php)

| Physical Properties | Metric      | English                   | Comments                                                 |
|---------------------|-------------|---------------------------|----------------------------------------------------------|
| Density             | 0.912 g/cc  | 0.0329 lb/in <sup>3</sup> | ASTM D1505                                               |
| Particle Mesh Size  | 50 Mesh     | 50 Mesh                   | Irregular shape. ETM = Equistar Test Method; ETM Malvern |
| Melt Flow           | 70 g/10 min | 70 g/10 min               | ASTM D1238                                               |

| Mechanical Properties     | Metric    | English  | Comments   |
|---------------------------|-----------|----------|------------|
| Hardness, Shore D         | 51        | 51       | ASTM D2240 |
| Tensile Strength at Break | 6.89 MPa  | 1000 psi | ASTM D638  |
| Elongation at Break       | 200 %     | 200 %    | ASTM D638  |
| Flexural Modulus          | 0.121 GPa | 17.5 ksi | ASTM D790  |

| Thermal Properties      | Metric   | English | Comments   |
|-------------------------|----------|---------|------------|
| Melting Point           | 102 °C   | 216 °F  | ASTM D3418 |
| Vicat Softening Point   | 78.0 °C  | 172 °F  | ASTM D1525 |
| Brittleness Temperature | -10.0 °C | 14.0 °F | ASTM D746  |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China