

## LyondellBasell Lupolen® 5261 Z Q 456 B High Density Polyethylene, Pipe and Sheet Extrusion Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

### Material Notes:

Lupolen 5261 Z Q 456 B is a high density polyethylene (HDPE) with high melt viscosity for ram extrusion of peroxide crosslinked pipes (PE-Xa). The product is supplied as a nominal 20 mesh (840 um) powder. It is not intended for medical or pharmaceutical applications.

Processing Method: Extrusion Pipe, Sheet and Semi Finished Products. Physical Form: Powder. Typical Customer Applications: Plumbing, Heating and Cooling. This product is from the former Equistar product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Lupolen-5261-Z-Q-456-B-High-Density-Polyethylene-Pipe-and-Sheet-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_LyondellBasell-Lupolen-5261-Z-Q-456-B-High-Density-Polyethylene-Pipe-and-Sheet-Extrusion-Grade.php)

| Physical Properties | Metric                                               | English                                              | Comments   |
|---------------------|------------------------------------------------------|------------------------------------------------------|------------|
| Density             | 0.954 g/cc                                           | 0.0345 lb/in <sup>3</sup>                            | ASTM D1505 |
| Melt Flow           | 3.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 3.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238 |

| Mechanical Properties   | Metric   | English  | Comments                       |
|-------------------------|----------|----------|--------------------------------|
| Hardness, Shore D       | 65       | 65       | ASTM D2240                     |
| Tensile Strength, Yield | 28.3 MPa | 4100 psi | 2"/min; ASTM D638              |
| Elongation at Yield     | 9.0 %    | 9.0 %    | 2"/min; ASTM D638              |
| Tensile Modulus         | 1.34 GPa | 195 ksi  | 1% Secant; 0.5"/min; ASTM D638 |

| Thermal Properties    | Metric  | English | Comments                 |
|-----------------------|---------|---------|--------------------------|
| Melting Point         | 56.7 °C | 134 °F  | ASTM D3418               |
| Vicat Softening Point | 80.0 °C | 176 °F  | B/50 K/h 10N; ASTM D1525 |
|                       | 130 °C  | 266 °F  | A/50 K/h 10N; ASTM D1525 |

## 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