

## ExxonMobil Paxon™ FD60-018 Compression Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

### Material Notes:

FD60-018 is a very high molecular weight high density polyethylene powder. It exhibits very high impact strength. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Paxon-FD60-018-Compression-Molding-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-FD60-018-Compression-Molding-Resin.php)

| Physical Properties   | Metric                               | English                              | Comments                      |
|-----------------------|--------------------------------------|--------------------------------------|-------------------------------|
| Density               | 0.945 g/cc                           | 0.0341 lb/in <sup>3</sup>            | ASTM D4883                    |
| Apparent Bulk Density | 0.480 g/cc                           | 0.0173 lb/in <sup>3</sup>            | ASTM D1895                    |
| Melt Flow             | 1.7 g/10 min                         | 1.7 g/10 min                         | 190 / 21.6 (HLMI); ASTM D1238 |
|                       | <= 0.10 g/10 min                     | <= 0.10 g/10 min                     | ASTM D1238                    |
|                       | @Load 2.16 kg,<br>Temperature 190 °C | @Load 4.76 lb,<br>Temperature 374 °F |                               |

| Mechanical Properties   | Metric   | English  | Comments  |
|-------------------------|----------|----------|-----------|
| Tensile Strength, Yield | 28.3 MPa | 4100 psi | ASTM D638 |
| Elongation at Break     | 910 %    | 910 %    | ASTM D638 |

| Thermal Properties      | Metric      | English     | Comments   |
|-------------------------|-------------|-------------|------------|
| Vicat Softening Point   | 131 °C      | 268 °F      | ASTM D1525 |
| Brittleness Temperature | <= -60.0 °C | <= -76.0 °F | ASTM D746  |

## Contact Songhan Plastic Technology Co.,Ltd.

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