

## Total HDPE 56020 S XP High Density Polyethylene - Blow Molding

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

### Material Notes:

HDPE 56020 S XP is a very high molecular weight (VHMW) high density polyethylene with a high resistance to impact, good chemical resistance and optimized balance between Environmental Stress Crack Resistance and rigidity. It has been specifically designed for the manufacture of blow molded UN-marked articles (tight head drums, open top drums and jerry-cans) dedicated for the transportation of dangerous goods. HDPE 56020 S XP is a pellet grade and contains antioxidants. Information provided by Total Petrochemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-HDPE-56020-S-XP-High-Density-Polyethylene-Blow-Molding.php](http://www.lookpolymers.com/polymer_Total-HDPE-56020-S-XP-High-Density-Polyethylene-Blow-Molding.php)

| Physical Properties                   | Metric   | English  | Comments                         |
|---------------------------------------|--|--|----------------------------------|
| Specific Gravity                      | 0.952 g/cc   | 0.952 g/cc   | ISO 1183                         |
| Environmental Stress Crack Resistance | >= 250 hour  | >= 250 hour  | F50, Anatarox 100%; ASTM D 1693B |
| Melt Flow                             | 1.4 g/10 min<br>@Load 21.6 kg,<br>Temperature 190 °C | 1.4 g/10 min<br>@Load 47.6 lb,<br>Temperature 374 °F | ISO 1133/G                       |

| Mechanical Properties  | Metric  | English   | Comments  |
|------------------------|---|---|-----------|
| Charpy Impact, Notched | 5.50 J/cm <sup>2</sup><br>@Temperature -30.0 °C | 26.2 ft-lb/in <sup>2</sup><br>@Temperature -22.0 °F | ISO 179-1 |
|                        | 8.00 J/cm <sup>2</sup><br>@Temperature 23.0 °C  | 38.1 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F  | ISO 179-1 |

| Processing Properties  | Metric       | English      | Comments |
|------------------------|--------------|--------------|----------|
| Processing Temperature | 180 - 230 °C | 356 - 446 °F |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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