

## Multibase Multi-Flam™ 0106 PP Black Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Features:Flame Retardant Forms:PelletsProcessing Methods:Injection MoldingInformation provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Flam-0106-PP-Black-Polypropylene.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Flam-0106-PP-Black-Polypropylene.php)

| Physical Properties   | Metric                                               | English                                              | Comments                  |
|-----------------------|------------------------------------------------------|------------------------------------------------------|---------------------------|
| Density               | 1.02 g/cc                                            | 0.0368 lb/in³                                        | ASTM D792                 |
| Water Absorption      | 0.030 %                                              | 0.030 %                                              | at Equilibrium; ASTM D570 |
| Linear Mold Shrinkage | 0.013 cm/cm                                          | 0.013 in/in                                          | ASTM D955                 |
| Melt Flow             | 6.9 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 6.9 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | ASTM D1238                |

| Mechanical Properties      | Metric     | English        | Comments                                         |
|----------------------------|------------|----------------|--------------------------------------------------|
| Tensile Strength, Ultimate | 31.7 MPa   | 4600 psi       | ASTM D638                                        |
| Elongation at Break        | 280 %      | 280 %          | ASTM D638                                        |
| Flexural Strength          | 42.1 MPa   | 6100 psi       | ASTM D790                                        |
| Flexural Modulus           | 1.63 GPa   | 236 ksi        | Method I (3 point load), Procedure B); ASTM D790 |
| Izod Impact, Notched       | 0.326 J/cm | 0.610 ft-lb/in | ASTM D256                                        |
| Gardner Impact             | 2.260 J    | 1.667 ft-lb    | ASTM D3029                                       |

| Thermal Properties                          | Metric  | English | Comments              |
|---------------------------------------------|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 116 °C  | 240 °F  | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 69.4 °C | 157 °F  | Unannealed; ASTM D648 |
| Vicat Softening Point                       | 151 °C  | 303 °F  | ASTM D1525            |
| Flammability, UL94                          | V-0     | V-0     | 0.125 in              |

## Contact Songhan Plastic Technology Co.,Ltd.

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