

## Polyplastics FR-PET® B3015FA Glass Fiber Reinforced Polyethylene Terephthalate (GF-PET), Slow burning, General purpose

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass/Mineral Reinforced

### Material Notes:

Information provided by PolyPlastics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyplastics-FR-PET-B3015FA-Glass-Fiber-Reinforced-Polyethylene-Terephthalate-GF-PET-Slow-burning-General-purpose.php](http://www.lookpolymers.com/polymer_Polyplastics-FR-PET-B3015FA-Glass-Fiber-Reinforced-Polyethylene-Terephthalate-GF-PET-Slow-burning-General-purpose.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 1.47 g/cc | 0.0531 lb/in <sup>3</sup> | ISO 1183 |

| Mechanical Properties      | Metric                  | English                    | Comments     |
|----------------------------|-------------------------|----------------------------|--------------|
| Tensile Strength, Ultimate | 103 MPa                 | 14900 psi                  | ISO 527-1, 2 |
| Elongation at Break        | 2.0 %                   | 2.0 %                      | ISO 527-1, 2 |
| Flexural Strength          | 168 MPa                 | 24400 psi                  | ISO 178      |
| Flexural Modulus           | 6.30 GPa                | 914 ksi                    | ISO 178      |
| Charpy Impact, Notched     | 0.450 J/cm <sup>2</sup> | 2.14 ft-lb/in <sup>2</sup> | ISO 179/1eA  |

| Thermal Properties                          | Metric | English | Comments    |
|---------------------------------------------|--------|---------|-------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 222 °C | 432 °F  | ISO 75-1, 2 |
| Flammability, UL94                          | HB     | HB      |             |

| Electrical Properties      | Metric          | English         | Comments    |
|----------------------------|-----------------|-----------------|-------------|
| Volume Resistivity         | 1.00e+17 ohm-cm | 1.00e+17 ohm-cm | IEC 60093   |
| Surface Resistance         | 1.00e+17 ohm    | 1.00e+17 ohm    | IEC 60093   |
| Dielectric Strength        | 24.0 kV/mm      | 610 kV/in       | IEC 60243-1 |
| Comparative Tracking Index | 225 V           | 225 V           | IEC 60112   |

## Contact Songhan Plastic Technology Co.,Ltd.

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