

## Chengdu Polyster FH3303 Thermoplastic Polyether-ester Elastomer (TPEE)

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester, TP , Polyether Ester Elastomer

### Material Notes:

Blend of H3303 and self-made flame retardant material. Excellent flex resistance at low temperatures. Excellent flex-fatigue resistance. Applications requiring flexibility at low temperatures and flame retardancy, such as wires, cables and optical fiber. Information provided by Chengdu Polyster Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chengdu-Polyster-FH3303-Thermoplastic-Polyether-ester-Elastomer-TPEE.php](http://www.lookpolymers.com/polymer_Chengdu-Polyster-FH3303-Thermoplastic-Polyether-ester-Elastomer-TPEE.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	ISO 1183
Melt Flow	5.0 - 10 g/10 min	5.0 - 10 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	35	35	ISO 868
Tensile Strength, Ultimate	12.0 MPa	1740 psi	ISO 527-1
Elongation at Break	350 %	350 %	ISO 527-1
Flexural Modulus	0.0450 GPa	6.53 ksi	ISO 178
Tear Strength	55.0 kN/m	314 pli	ISO 34

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146
Brittleness Temperature	-60.0 °C	-76.0 °F	ISO 974

## Contact Songhan Plastic Technology Co.,Ltd.

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