

Chengdu Polyster FH5550 Thermoplastic Polyether-ester Elastomer (TPEE)

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

Material Notes:

Blend of H5550 and self-made flame retardant material. Flame retardant, good balance of low and high temperature properties.

Applications requiring 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-FH5550-Thermoplastic-Polyether-ester-Elastomer-TPEE.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	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	50	50	ISO 868
Tensile Strength, Ultimate	25.0 MPa	3630 psi	ISO 527-1
Elongation at Break	320 %	320 %	ISO 527-1
Flexural Modulus	0.129 GPa	18.7 ksi	ISO 178
Tear Strength	90.0 kN/m	514 pli	ISO 34

Thermal Properties	Metric	English	Comments
Melting Point	195 °C	383 °F	ISO 3146
Brittleness Temperature	-55.0 °C	-67.0 °F	ISO 974

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