

Chengdu Polyster FH605 Thermoplastic Polyether-ester Elastomer (TPEE)

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

Material Notes:

Blend of H605 and self-made flame retardant material. Flame retardant, high tear resistance. 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-FH605-Thermoplastic-Polyether-ester-Elastomer-TPEE.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 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	55	55	ISO 868
Tensile Strength, Ultimate	30.0 MPa	4350 psi	ISO 527-1
Elongation at Break	320 %	320 %	ISO 527-1
Flexural Modulus	0.230 GPa	33.4 ksi	ISO 178
Tear Strength	120 kN/m	685 pli	ISO 34

Thermal Properties	Metric	English	Comments
Melting Point	201 °C	394 °F	ISO 3146
Brittleness Temperature	-50.0 °C	-58.0 °F	ISO 974

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