

Chengdu Polyster H605 Thermoplastic Polyether-ester Elastomer (TPEE)

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

Material Notes:

Medium modulus molding and injection grade. Contains improved color- stable antioxidants. Excellent tear resistance. Molded and injected products for consumer use, such as airbag door covers, railway tie pads, seals, 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-H605-Thermoplastic-Polyether-ester-Elastomer-TPEE.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Melt Flow	6.0 - 8.0 g/10 min	6.0 - 8.0 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ISO 868
Tensile Strength, Ultimate	35.0 MPa	5080 psi	ISO 527-1
Elongation at Break	500 %	500 %	ISO 527-1
Flexural Modulus	0.206 GPa	29.9 ksi	ISO 178
Tear Strength	153 kN/m	873 pli	ISO 34

Thermal Properties	Metric	English	Comments
Melting Point	200 °C	392 °F	ISO 3146
Brittleness Temperature	-70.0 °C	-94.0 °F	ISO 974

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