

Chengdu Polyster H3303 Thermoplastic Polyether-ester Elastomer (TPEE)

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

Material Notes:

Low modulus molding and injection grade. Contains improved color- stable antioxidants. Excellent flex resistance at low temperatures. Moldable even in thin sections. Can be used in light-colored products. Applications requiring flex life coupled with good flexibility at low temperatures, such as hose, wires, cables and optical fiber. For blending with PVC to improve the mechanical properties. Information provided by Chengdu Polyster Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chengdu-Polyster-H3303-Thermoplastic-Polyether-ester-Elastomer-TPEE.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183
Melt Flow	8.0 - 12 g/10 min	8.0 - 12 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	35	35	ISO 868
Tensile Strength, Ultimate	18.0 MPa	2610 psi	ISO 527-1
Elongation at Break	550 %	550 %	ISO 527-1
Flexural Modulus	0.0400 GPa	5.80 ksi	ISO 178
Tear Strength	70.0 kN/m	399 pli	ISO 34

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146
Brittleness Temperature	-70.0 °C	-94.0 °F	ISO 974

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