

Chengdu Polyster H4543B Thermoplastic Polyether-ester Elastomer (TPEE)

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

Material Notes:

Low modulus molding and extrusion grade. Contains color-stable antioxidants. Good balance of low and high temperature properties.

Excellent flex-fatigue resistance. Excellent creep resistance. CVJ boots, dust cover, hose jackets, wire and cable jackets, belting, profiles and seals, etc. Information provided by Chengdu Polyster Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chengdu-Polyster-H4543B-Thermoplastic-Polyether-ester-Elastomer-TPEE.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ISO 1183
Melt Flow	0.50 - 1.5 g/10 min	0.50 - 1.5 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ISO 868
Tensile Strength, Ultimate	26.0 MPa	3770 psi	ISO 527-1
Elongation at Break	380 %	380 %	ISO 527-1
Flexural Modulus	0.0860 GPa	12.5 ksi	ISO 178
Tear Strength	130 kN/m	742 pli	ISO 34

Thermal Properties	Metric	English	Comments
Melting Point	192 °C	378 °F	ISO 3146
Brittleness Temperature	-70.0 °C	-94.0 °F	ISO 974

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