

Chengdu Polyster H6055 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. Higher melt flow index compared with other grades; good balance of modulus and toughness. Applications requiring complicated structure or thin wall thickness. Information provided by Chengdu Polyster Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chengdu-Polyster-H6055-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	12 - 15 g/10 min	12 - 15 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	0.204 GPa	29.6 ksi	ISO 178
Tear Strength	150 kN/m	856 pli	ISO 34

Thermal Properties	Metric	English	Comments
Melting Point	203 °C	397 °F	ISO 3146
Brittleness Temperature	-70.0 °C	-94.0 °F	ISO 974

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