

Wanhua Chemical Wanthane® WHT-8180 Polyether-Based TPU

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane TPE , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

Material Notes:

Excellent hydrolytic stability, fungus resistance, low temperature flexibility & UV resistance
Information provided by Wanhua Chemical Group Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wanhua-Chemical-Wanthane-WHT-8180-Polyether-Based-TPU.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength	25.0 MPa	3630 psi	ASTM D412
Elongation at Break	600 %	600 %	ASTM D412
100% Modulus	0.00600 GPa	0.870 ksi	ASTM D412
300% Modulus	0.0100 GPa	1.45 ksi	ASTM D412
Tear Strength	75.0 kN/m	428 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-45.0 °C	-49.0 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 190 °C	347 - 374 °F	

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