

Covestro Texin® 970U Urethane Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP

Material Notes:

Key Features: Unfilled U.V. stabilized or stable to weather
 Suitable processing methods: Injection molding, Profile extrusion, Sheet extrusion
 Information provided by Bayer Polymers. As of 1 September 2015, Bayer Material Science was separated from Bayer AG and officially adopted its new name – Covestro.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Texin-970U-Urethane-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	50.0 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	68.0 °C	154 °F	
Deflection Temperature at 1.8 MPa (264 psi)	45.0 °C	113 °F	
Vicat Softening Point	140 °C	284 °F	50°C/h 50N
Glass Transition Temp, Tg	0.000 °C	32.0 °F	10°C/min

Processing Properties	Metric	English	Comments
Melt Temperature	230 °C	446 °F	Injection Molding
Mold Temperature	35.0 °C	95.0 °F	Injection Molding
Injection Pressure	45.0 MPa	6530 psi	

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