

Covestro Texin® 945U 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-945U-Urethane-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.0 MPa @Strain 50.0 %	4790 psi @Strain 50.0 %	
Elongation at Break	>= 50 %	>= 50 %	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	160 µm/m-°C @Temperature 20.0 °C	88.9 µin/in-°F @Temperature 68.0 °F	
Vicat Softening Point	116 °C	241 °F	50°C/h 50N
Glass Transition Temp, Tg	-40.0 °C	-40.0 °F	10°C/min

Processing Properties	Metric	English	Comments
Melt Temperature	205 °C	401 °F	Injection Molding
Mold Temperature	35.0 °C	95.0 °F	Injection Molding
Injection Pressure	45.0 MPa	6530 psi	

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