

Covestro Texin® 950 Urethane Thermoplastic Elastomer

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

Material Notes:

Key Features:UnfilledSuitable processing methods:Injection moldingProfile extrusionSheet extrusionInformation provided by Bayer

Polymers.As of 1 September 2015, Bayer MaterialScience 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-950-Urethane-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	8.00 MPa	1160 psi	
	@Strain 50.0 %	@Strain 50.0 %	
Elongation at Break	>= 50 %	>= 50 %	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	224 µm/m-°C	124 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Vicat Softening Point	128 °C	262 °F	50°C/h 50N
Glass Transition Temp, Tg	-27.0 °C	-16.6 °F	10°C/min

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+10 ohm-cm	5.00e+10 ohm-cm	
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	
Dielectric Constant	5.1	5.1	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	6.6	6.6	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	14.8 kV/mm	376 kV/in	
Dissipation Factor	0.025	0.025	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.075	0.075	

Electrical Properties	Metric @Frequency 1e+6 Hz	English @Frequency 1e+6 Hz	Comments
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Processing Properties	Metric	English	Comments
Melt Temperature	205 °C	401 °F	Injection Molding
Mold Temperature	30.0 °C	86.0 °F	Injection Molding
Injection Pressure	45.0 MPa	6530 psi	

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