

Covestro Texin® 285 Urethane Thermoplastic Elastomer

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

Material Notes:

Key Features: Unfilled Suitable processing methods: Injection molding Film extrusion Profile extrusion Sheet extrusion Coating Blow molding 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-285-Urethane-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	5.00 MPa @Strain 50.0 %	725 psi @Strain 50.0 %	
Elongation at Break	>= 50 %	>= 50 %	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	150 µm/m-°C @Temperature 20.0 °C	83.3 µin/in-°F @Temperature 68.0 °F	
Vicat Softening Point	91.0 °C	196 °F	50°C/h 50N
Glass Transition Temp, Tg	-42.0 °C	-43.6 °F	10°C/min
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL Recognized
	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	UL Recognized

Electrical Properties	Metric	English	Comments
Volume Resistivity	8.00e+9 ohm-cm	8.00e+9 ohm-cm	
Surface Resistance	5.00e+11 ohm	5.00e+11 ohm	
Dielectric Constant	5.6 @Frequency 1e+6 Hz	5.6 @Frequency 1e+6 Hz	
	6.5	6.5	

Electrical Properties	@Frequency 100 Hz Metric	@Frequency 100 Hz English	Comments
Dielectric Strength	17.5 kV/mm	445 kV/in	
Dissipation Factor	0.025	0.025	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.060	0.060	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Melt Temperature	200 °C	392 °F	Injection Molding
Mold Temperature	30.0 °C	86.0 °F	Injection Molding
Injection Pressure	45.0 MPa	6530 psi	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China