

## Covestro Texin® 255 Urethane Thermoplastic Elastomer

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

**Material Notes:**

Key Features: Unfilled Suitable processing methods: Injection 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-255-Urethane-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Covestro-Texin-255-Urethane-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	12.0 MPa @Strain 50.0 %	1740 psi @Strain 50.0 %	
Elongation at Break	>= 50 %	>= 50 %	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	170 µm/m-°C @Temperature 20.0 °C	94.4 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	59.0 °C	138 °F	
Vicat Softening Point	168 °C	334 °F	50°C/h 50N
Glass Transition Temp, Tg	-26.0 °C	-14.8 °F	10°C/min
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL Recognized

Processing Properties	Metric	English	Comments
Melt Temperature	210 °C	410 °F	Injection Molding
Mold Temperature	30.0 °C	86.0 °F	Injection Molding
Injection Pressure	45.0 MPa	6530 psi	

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