

Covestro Texin® 4210 Urethane Thermoplastic Elastomer

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

Material Notes:

Key Features:UnfilledSuitable processing methods:Injection moldingFilm extrusionProfile 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-4210-Urethane-Thermoplastic-Elastomer.php

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

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	131 µm/m-°C @Temperature 20.0 °C	72.8 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	98.0 °C	208 °F	
Deflection Temperature at 1.8 MPa (264 psi)	59.0 °C	138 °F	
Vicat Softening Point	139 °C	282 °F	50°C/h 50N
Glass Transition Temp, Tg	-35.0 °C	-31.0 °F	10°C/min

Processing Properties	Metric	English	Comments
Melt Temperature	230 °C	446 °F	Injection Molding
Mold Temperature	30.0 °C	86.0 °F	Injection Molding
Injection Pressure	45.0 MPa	6530 psi	

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