

Covestro Desmopan® DP 3970D Polyurethane, 20% Glass Filled

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Glass Fiber Reinforced

Material Notes:

injection molding grade 20 % Glass fiber reinforced good heat resistance low coefficient of linear thermal expansion Application Automotive engineering Injection molded engineering parts Preprocessing Max. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-DP-3970D-Polyurethane-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	99	99	3s; ISO 868
Hardness, Shore D	70	70	15s; ISO 868
Tensile Strength at Break	64.0 MPa	9280 psi	ISO 527-1/-2
Tensile Strength, Yield	64.0 MPa	9280 psi	parallel; ISO 527-3
Elongation at Break	25 %	25 %	ISO 527-1/-2
Charpy Impact Unnotched	15.0 J/cm ²	71.4 ft-lb/in ²	ISO 179/1eU
	8.20 J/cm ² @Temperature -30.0 °C	39.0 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
Charpy Impact, Notched	5.70 J/cm ²	27.1 ft-lb/in ²	ISO 179/1eA
	1.40 J/cm ² @Temperature -30.0 °C	6.66 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	20.0 µm/m-°C	11.1 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	140 µm/m-°C	77.8 µin/in-°F	ISO 11359-1/-2
Deflection Temperature at 0.46 MPa (66 psi)	150 °C	302 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	130 °C	266 °F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Availability	Asia Pacific	

Descriptive Properties	Value	Comments
	India	
	Near East/Africa	
	South and Central America	

Contact Songhan Plastic Technology Co.,Ltd.

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