

Covestro Desmopan® DP 9380A Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Extrusion- and injection molding gradevery good hydrolysis and microbial resistancegood low-temperature flexibilitycomplies with VDE 0282-10ApplicationCable sheathingsHosesnon-reinforcedPreprocessingMax. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-DP-9380A-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in ³	Melt
	1.11 g/cc	0.0401 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	3s; ISO 868
Hardness, Shore D	31	31	15s; ISO 868
Abrasion	20	20	mm ³ ; ISO 4649
Compression Set	25 % @Temperature 23.0 °C	25 % @Temperature 73.4 °F	ISO 815
	42 % @Temperature 70.0 °C	42 % @Temperature 158 °F	ISO 815

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.70 J/g-°C	0.406 BTU/lb-°F	Melt
Thermal Conductivity	0.129 W/m-K	0.895 BTU-in/hr-ft ² -°F	Melt

Processing Properties	Metric	English	Comments
Melt Temperature	205 - 225 °C	401 - 437 °F	
Mold Temperature	20.0 - 40.0 °C	68.0 - 104 °F	
Ejection Temperature	50.0 °C	122 °F	

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	

Descriptive Properties	Value	Comments
	Near East/Africa	
	South and Central America	
Eff. thermal diffusivity (m ² /s)	8E-08	

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