

Covestro Desmopan® DP 5080A Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

injection molding gradeimproved microbial resistanceImproved hydrolysis resistanceApplicationSealsmembraneshard - soft systemsPreprocessingMax. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-DP-5080A-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	Melt
	1.14 g/cc	0.0412 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	3s; ISO 868
Hardness, Shore D	29	29	15s; ISO 868
Abrasion	70	70	mm ³ ; ISO 4649
Compression Set	20 % @Temperature 23.0 °C	20 % @Temperature 73.4 °F	ISO 815
	50 % @Temperature 70.0 °C	50 % @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	0.139 W/m-K	0.965 BTU-in/hr-ft ² -°F	Melt

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 210 °C	374 - 410 °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	
	North America	
	South and Central America	
Eff. thermal diffusivity (m ² /s)	8E-08	

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