

Covestro Desmopan® DP 1080A Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

injection molding grade free from plasticizers hard - soft systems Technical parts 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-Desmopan-DP-1080A-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	Melt
	1.21 g/cc	0.0437 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	3s; ISO 868
Abrasion	35	35	mm ³ ; ISO 4649
Compression Set	22 % @Temperature 23.0 °C	22 % @Temperature 73.4 °F	ISO 815
	39 % @Temperature 70.0 °C	39 % @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	0.141 W/m-K	0.979 BTU-in/hr-ft ² -°F	Melt

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 220 °C	374 - 428 °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	
	India	

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

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