

Covestro Desmopan® 790 Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Extrusion- and injection molding gradehigh mechanical strengthApplicationToothed beltsProfilesInjection molded engineering partsPreprocessingMax. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-790-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	Melt
	1.21 g/cc	0.0437 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	3s; ISO 868
Hardness, Shore D	40	40	15s; ISO 868
Abrasion	30	30	mm ³ ; ISO 4649
Compression Set	25 %	25 %	ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	50 %	50 %	ISO 815
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.70 J/g-°C	0.406 BTU/lb-°F	Melt
Thermal Conductivity	0.140 W/m-K	0.972 BTU-in/hr-ft ² -°F	Melt

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 230 °C	410 - 446 °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	
Feature	Lubricants	
Form	Pellets	
Process	Profile Extrusion	

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