

Covestro Desmopan® DP 1485A Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Extrusion- and injection molding gradesuitable for extrusion blow moldingvery large processing windowhigh melt stabilityBeadsApplicationBellowsHosesnon-reinforcedProfilesInjection molded engineering partsPreprocessingMax. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-DP-1485A-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	Melt
	1.22 g/cc	0.0441 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	3s; ISO 868
Hardness, Shore D	33	33	15s; ISO 868
Tensile Strength at Break	46.0 MPa	6670 psi	ISO 527-1/-2
Tensile Strength, Yield	46.0 MPa	6670 psi	parallel; ISO 527-3
	5.00 MPa	725 psi	ISO 527-1/-2
	@Strain 100 %	@Strain 100 %	
Elongation at Break	9.00 MPa	1310 psi	ISO 527-1/-2
	@Strain 300 %	@Strain 300 %	
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
Abrasion	19	19	mm ³ ; ISO 4649
Compression Set	11 %	11 %	ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compression Set	36 %	36 %	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	0.139 W/m-K	0.965 BTU-in/hr-ft ² -°F	Melt

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 220 °C	392 - 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	
	Near East/Africa	
	South and Central America	
Eff. thermal diffusivity (m ² /s)	8E-08	

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