

Covestro Desmopan® DP 9095AU Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

injection molding gradewith special UV stabilizersvery good hydrolysis and microbial resistancegood wear resistancelow warpage
short cycle timesApplicationEar-tagsPreprocessingMax. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-DP-9095AU-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in ³	Melt
	1.15 g/cc	0.0415 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	3s; ISO 868
Hardness, Shore D	43	43	15s; ISO 868
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527-1/-2
Tensile Strength, Yield	50.0 MPa	7250 psi	parallel; ISO 527-3
	16.0 MPa	2320 psi	ISO 527-1/-2
	@Strain 100 %	@Strain 100 %	
	33.0 MPa	4790 psi	ISO 527-1/-2
	@Strain 300 %	@Strain 300 %	
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
Abrasion	18	18	mm ³ ; ISO 4649
Compression Set	30 %	30 %	ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	77 %	77 %	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	0.132 W/m-K	0.916 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	Europe	
	Near East/Africa	
	South and Central America	
Eff. thermal diffusivity (m ² /s)	8E-08	

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