

Covestro Desmopan® DP 3690AU Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Extrusion- and injection molding gradehydrolysis-stabilisedwith special UV stabilizerswith release agenttransparent up to 6 mm wall thicknessgood wear resistanceApplicationSports shoe solesFilmsHosesnon-reinforcedPreprocessingMax. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-DP-3690AU-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	Melt
	1.21 g/cc	0.0437 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	3s; ISO 868
Hardness, Shore D	40	40	15s; ISO 868
Abrasion	25	25	mm ³ ; ISO 4649
Compression Set	21 % @Temperature 23.0 °C	21 % @Temperature 73.4 °F	ISO 815
	48 % @Temperature 70.0 °C	48 % @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

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Processing Properties	Metric	English	Comments
Melt Temperature	215 - 235 °C	419 - 455 °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)	8.02E-08	

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