

Covestro Desmopan® 481 Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

injection molding grade free from plasticizers grease and oil-resistant low compression set high elasticity good heat resistance Easy release Application Roller coating Seals membranes Automotive engineering Preprocessing Max. Water content

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-481-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	Melt
	1.20 g/cc	0.0434 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	3s; ISO 868
Hardness, Shore D	30	30	15s; ISO 868
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 527-1/-2
Tensile Strength, Yield	30.0 MPa	4350 psi	parallel; ISO 527-3
	5.00 MPa	725 psi	ISO 527-1/-2
	@Strain 100 %	@Strain 100 %	
	9.00 MPa	1310 psi	ISO 527-1/-2
	@Strain 300 %	@Strain 300 %	
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
Abrasion	25	25	mm ³ ; ISO 4649
Compression Set	22 %	22 %	ISO 815
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	35 %	35 %	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	225 - 235 °C	437 - 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 (m²/s)	8E-08	
Feature	Release agent	
Form	Pellets	
Process	Injection Molding	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China