

Covestro Desmopan® 445 Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:
injection molding gradegrease and oil-resistantgood heat resistancelow compression setApplicationAutomotive engineeringInjection molded engineering partsPreprocessingMax. Water content

Order this product through the following link:
http://www.lookpolymers.com/polymer_Covestro-Desmopan-445-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	3s; ISO 868
Hardness, Shore D	44	44	15s; ISO 868
Tensile Strength at Break	38.0 MPa	5510 psi	ISO 527-1/-2
Tensile Strength, Yield	38.0 MPa	5510 psi	parallel; ISO 527-3
	8.00 MPa	1160 psi	ISO 527-1/-2
	@Strain 100 %	@Strain 100 %	
	20.0 MPa	2900 psi	ISO 527-1/-2
	@Strain 300 %	@Strain 300 %	
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
Abrasion	25	25	mm³; ISO 4649
Compression Set	35 %	35 %	ISO 815
	@Temperature 70.0 °C	@Temperature 158 °F	

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	India	
	Near East/Africa	
	North America	
	South and Central America	

Descriptive Properties	Value	Comments
Form	Pellets	
Process	Injection Molding	

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