

Covestro Desmopan® 786 S Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

injection molding gradevery good hydrolysis and microbial resistancehigh mechanical strengthgood low-temperature flexibilityApplicationToysTechnical partsAs of 1 September 2015, Bayer MaterialScience was separated from Bayer AG and officially adopted its new name – Covestro.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Desmopan-786-S-Polyurethane.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	3s; ISO 868
Hardness, Shore D	33	33	15s; ISO 868
Tensile Strength at Break	43.0 MPa	6240 psi	ISO 527-1/-2
Tensile Strength, Yield	43.0 MPa	6240 psi	parallel; ISO 527-3
	7.00 MPa @Strain 100 %	1020 psi @Strain 100 %	ISO 527-1/-2
	14.0 MPa @Strain 300 %	2030 psi @Strain 300 %	ISO 527-1/-2
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
Abrasion	40	40	mm ³ ; ISO 4649
Compression Set	30 % @Temperature 23.0 °C	30 % @Temperature 73.4 °F	ISO 815
	65 % @Temperature 70.0 °C	65 % @Temperature 158 °F	ISO 815

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	India	

Descriptive Properties	Near East/Africa Value	Comments
	South and Central America	
Feature	Release agent	
Form	Pellets	
Process	Injection Molding	

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