

Covestro Desmopan® 372 Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyester Grade

Material Notes:

Desmopan 372 is a TPU on the basis of a special ester. Applications: Transport rolls, technical automotive parts. Information provided by Bayer. As 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-372-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Water Absorption	1.22 %	1.22 %	Saturation in water
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Equilibrium at 50% RH
Water Absorption at Saturation	1.22 %	1.22 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	DIN 53505
Elongation at Break	>= 50 %	>= 50 %	Nominal
Tensile Creep Modulus, 1 hour	455 MPa	66000 psi	
Tensile Creep Modulus, 1000 hours	158 MPa	22900 psi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	130 µm/m-°C	72.2 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	59.0 °C	138 °F	
Deflection Temperature at 1.8 MPa (264 psi)	48.0 °C	118 °F	
Vicat Softening Point	79.0 °C	174 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	5.00e+14 ohm-cm	5.00e+14 ohm-cm	
Surface Resistance	9.00e+14 ohm	9.00e+14 ohm	
Dielectric Constant	3.9	3.9	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Electrical Properties	Metric	English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	23.7 kV/mm	602 kV/in	
	0.029	0.029	
Dissipation Factor	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.031	0.031	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

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