

## Covestro Desmopan® 372 Thermoplastic Polyurethane (discontinued \*\*)

**Categories:** [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.

**Key Words:** TPUR

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.


Physical Properties	Metric	English	Comments
Density	<a href="#">1.24</a> g/cc	<a href="#">0.0448</a> lb/in <sup>3</sup>	
Moisture Absorption at Equilibrium	0.20 %	0.20 %	50% RH
Water Absorption at Saturation	1.22 %	1.22 %	
	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	<a href="#">455</a> MPa	<a href="#">66000</a> psi	
Tensile Creep Modulus, 1000 hours	<a href="#">158</a> MPa	<a href="#">22900</a> psi	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	<a href="#">5.00e+14</a> ohm-cm	<a href="#">5.00e+14</a> ohm-cm	
Surface Resistance	<a href="#">9.00e+14</a> ohm	<a href="#">9.00e+14</a> ohm	
Dielectric Constant 	3.9	3.9	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	4.6	4.6	
Dielectric Strength	@Frequency 100 Hz	@Frequency 100 Hz	
	<a href="#">23.7</a> kV/mm	<a href="#">602</a> kV/in	
Dissipation Factor 	0.029	0.029	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.031	0.031	
Comparative Tracking Index	@Frequency 100 Hz	@Frequency 100 Hz	
	<a href="#">600</a> V	<a href="#">600</a> V	

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

\*\*

Materials flagged as discontinued (  ) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

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