

## Covestro Desmopan® 192 Thermoplastic Polyurethane

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

### Material Notes:

Desmopan 192 is a TPU on the basis of a standard ester. Applications: Castors, coupling elements, seals. 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-192-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Covestro-Desmopan-192-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	94	94	DIN 53505
Hardness, Shore D	42	42	DIN 53505
Elongation at Break	>= 50 %	>= 50 %	Nominal
Compression Set	25 %	25 %	70 hr; 22°C
	60 %	60 %	24 hr
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	224 µm/m-°C	124 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	5.00e+12 ohm-cm	5.00e+12 ohm-cm	
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	
Dielectric Constant	5.1	5.1	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	6.6	6.6	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	14.8 kV/mm	376 kV/in	
Dissipation Factor	0.025	0.025	
	@Frequency 100 Hz	@Frequency 100 Hz	

Electrical Properties	Metric	English	Comments
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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