

## Covestro Desmopan® W DP 89051D Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

PreprocessingMax. Water content

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Covestro-Desmopan-W-DP-89051D-Polyurethane.php](http://www.lookpolymers.com/polymer_Covestro-Desmopan-W-DP-89051D-Polyurethane.php)

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in <sup>3</sup>	Melt
	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	3s; ISO 868
Hardness, Shore D	51	51	15s; ISO 868
Tensile Strength at Break	48.0 MPa	6960 psi	ISO 527-1/-2
Tensile Strength, Yield	48.0 MPa	6960 psi	parallel; ISO 527-3
	17.0 MPa	2470 psi	ISO 527-1/-2
	@Strain 100 %	@Strain 100 %	
	23.0 MPa	3340 psi	ISO 527-1/-2
	@Strain 300 %	@Strain 300 %	
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
Abrasion	17	17	mm <sup>3</sup> ; ISO 4649
Compression Set	46 %	46 %	ISO 815
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.70 J/g-°C	0.406 BTU/lb-°F	Melt
Thermal Conductivity	0.124 W/m-K	0.861 BTU-in/hr-ft <sup>2</sup> -°F	Melt

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 °C	392 - 464 °F	
Mold Temperature	20.0 - 40.0 °C	68.0 - 104 °F	

<small>Election Temperature</small> Processing Properties	50.0 °C Metric	122 °F English	Comments
<b>Descriptive Properties</b>			
Availability		Asia Pacific	
		India	
		North America	
Eff. thermal diffusivity (m <sup>2</sup> /s)		8E-08	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China