

Covestro Baydur® GS PUR Polyurethane

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Liquid

Material Notes:

Polyurethane casting system for the production of solid components. Pressureless casting into open or closed molds, fast demold times, good rot resistance. Combines easily with other materials. Information provided by Bayer. As of 1 September 2015, Bayer Material Science 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-Baydur-GS-PUR-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	
Water Absorption	3.3 %	3.3 %	Saturation in water
Water Absorption at Saturation	3.3 %	3.3 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	45.0 MPa	6530 psi	
Elongation at Break	23 %	23 %	
Tensile Modulus	1.30 GPa	189 ksi	
Charpy Impact Unnotched	6.00 J/cm ²	28.6 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	135 µm/m-°C	75.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	135 µm/m-°C	75.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	67.0 °C	153 °F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	
Vicat Softening Point	94.0 °C	201 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	9.00e+13 ohm-cm	9.00e+13 ohm-cm	
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	

Electrical Properties	Metric	English	Comments
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