

Covestro Baydur® 60 Polyurethane

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

Material Notes:

Rigid integral skin polyurethane foam for engineering components. The integral distribution of density gives a higher flexural modulus. If required, the property level can be improved by increasing the density. 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-Baydur-60-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	0.600 g/cc	0.0217 lb/in ³	
Water Absorption	0.30 %	0.30 %	Saturation in water
Water Absorption at Saturation	0.30 %	0.30 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	21.0 MPa	3050 psi	
Elongation at Break	7.0 %	7.0 %	
Tensile Modulus	0.800 GPa	116 ksi	
Charpy Impact Unnotched	1.80 J/cm ²	8.57 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	73.0 µm/m-°C	40.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	73.0 µm/m-°C	40.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 6.00 mm	@Thickness 0.236 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	7.00e+14 ohm-cm	7.00e+14 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Strength	10.0 kV/mm	254 kV/in	
Comparative Tracking Index	600 V	600 V	

Electrical Properties

Metric

English

Comments

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