

Covestro Baydur® STR/C-405 IMR Polyurethane Composite SRIM Foam, 45% Glass Filled, MDI-based 2-Component Liquid System

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Glass Filled

Material Notes:

Contains continuous strand fiberglass mat.0.118 in. thickness.Information provided by Bayer Corporation, Polyurethanes DivisionAs 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-STRC-405-IMR-Polyurethane-Composite-SRIM-Foam-45-Glass-Filled-MDI-based-2-Component-Liquid-System.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	103 MPa	14900 psi	ASTM D638/D412
Flexural Yield Strength	178 MPa	25800 psi	ASTM D790
Flexural Modulus	8.30 GPa	1200 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	26.0 µm/m-°C	14.4 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	212 °C	414 °F	ASTM D648

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