

Covestro Bayflex® 110-80 Polyurethane Elastomeric RIM, 15% Milled Glass Reinforced, MDI-based 2-Component Liquid System

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Glass Filled , Rubber or Thermoset Elastomer (TSE)

Material Notes:

0.125 in. thickness. RIM = Reaction Injection Molding Information provided by Bayer Corporation, Polyurethanes Division 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-Bayflex-110-80-Polyurethane-Elastomeric-RIM-15-Milled-Glass-Reinforced-MDI-based-2-Component-Liquid-System.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	22.0 MPa	3190 psi	ASTM D638/D412
Elongation at Break	75 %	75 %	ASTM D638/D412
Flexural Modulus	1.03 GPa	149 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256
Tear Strength	110 kN/m	628 pli	Die C; ASTM D624

Thermal Properties	Metric	English	Comments
CTE, linear	50.4 $\mu\text{m}/\text{m}\cdot\text{°C}$	28.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	

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