

## Covestro Bayflex® 110-50 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-110-50-Polyurethane-Elastomeric-RIM-15-Milled-Glass-Reinforced-MDI-based-2-Component-Liquid-System.php](http://www.lookpolymers.com/polymer_Covestro-Bayflex-110-50-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 <sup>3</sup>	ASTM D792
Water Absorption at Saturation	2.6 %	2.6 %	240 hours; Bayer Test
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638/D412
Elongation at Break	200 %	200 %	ASTM D638/D412
Flexural Modulus	0.690 GPa	100 ksi	ASTM D790
Izod Impact, Notched	4.30 J/cm	8.06 ft-lb/in	ASTM D256
Tear Strength	110 kN/m	628 pli	Die C; ASTM D624

Thermal Properties	Metric	English	Comments
CTE, linear	79.2 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	44.0 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	ASTM D696

## Contact Songhan Plastic Technology Co.,Ltd.

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