

Covestro Bayflex® 110-50 Polyurethane Elastomeric RIM, 15% Mineral Filled, 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:

Mineral filler is RRIMGLOS® 10013. 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-Mineral-Filled-MDI-based-2-Component-Liquid-System.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Ultimate	23.0 MPa	3340 psi	ASTM D638/D412
Elongation at Break	140 %	140 %	ASTM D638/D412
Flexural Modulus	0.860 GPa	125 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	49.0 µm/m-°C	27.2 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	

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