

Covestro Bayflex® 110-50 CM Polyurethane Elastomeric RIM, MDI-based 2-Component Liquid System

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , 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-CM-Polyurethane-Elastomeric-RIM-MDI-based-2-Component-Liquid-System.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	ASTM D2240
Tensile Strength, Ultimate	23.0 MPa	3340 psi	ASTM D638/D412
Elongation at Break	360 %	360 %	ASTM D638/D412
Flexural Modulus	0.320 GPa	46.4 ksi	ASTM D790
Izod Impact, Notched	4.80 J/cm	8.99 ft-lb/in	ASTM D256
Tear Strength	87.0 kN/m	496 pli	Die C; ASTM D624

Thermal Properties	Metric	English	Comments
CTE, linear	153 µm/m-°C	85.0 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Flammability, UL94	V-2	V-2	
	@Thickness 3.18 mm	@Thickness 0.125 in	
	V-2	V-2	
	@Thickness 3.18 mm	@Thickness 0.125 in	

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