

## Covestro Bayflex® 180 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-180-Polyurethane-Elastomeric-RIM-MDI-based-2-Component-Liquid-System.php](http://www.lookpolymers.com/polymer_Covestro-Bayflex-180-Polyurethane-Elastomeric-RIM-MDI-based-2-Component-Liquid-System.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792
Water Absorption at Saturation	0.20 %	0.20 %	240 hours; Bayer Test
Linear Mold Shrinkage	0.017 cm/cm	0.017 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Ultimate	28.0 MPa	4060 psi	ASTM D638/D412
Elongation at Break	125 %	125 %	ASTM D638/D412
Flexural Modulus	0.590 GPa	85.6 ksi	ASTM D790
Izod Impact, Notched	2.70 J/cm	5.06 ft-lb/in	ASTM D256
Tear Strength	105 kN/m	599 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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