

Covestro Bayflex® XGT-50 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-XGT-50-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	0.0085 cm/cm	0.0085 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	24.0 MPa	3480 psi	ASTM D638/D412
Elongation at Break	200 %	200 %	ASTM D638/D412
Flexural Modulus	0.350 GPa	50.8 ksi	ASTM D790
Izod Impact, Notched	6.70 J/cm	12.6 ft-lb/in	ASTM D256
Tear Strength	90.0 kN/m	514 pli	Die C; ASTM D624

Thermal Properties	Metric	English	Comments
CTE, linear	110 µm/m-°C @Temperature 20.0 °C	61.1 µin/in-°F @Temperature 68.0 °F	ASTM D696

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