

Covestro Baydur® 660 IBS Polyurethane Structural Foam RIM, Density 40 pcf, MDI-based 2-Component Liquid System

Category : Other Engineering Material , Composite Core Material , Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced

Material Notes:

0.25 in. thickness. IBS = Interactive Blowing System 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-Baydur-660-IBS-Polyurethane-Structural-Foam-RIM-Density-40-pcf-MDI-based-2-Component-Liquid-System.php

Physical Properties	Metric	English	Comments
Density	0.640 g/cc	0.0231 lb/in ³	ASTM D792
Apparent Bulk Density	0.640 g/cc	0.0231 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D2240
Tensile Strength, Ultimate	22.0 MPa	3190 psi	ASTM D638/D412
Elongation at Break	7.0 %	7.0 %	ASTM D638/D412
Flexural Yield Strength	26.0 MPa	3770 psi	ASTM D790
Flexural Modulus	1.21 GPa	175 ksi	ASTM D790
Compressive Yield Strength	31.0 MPa	4500 psi	ASTM D395
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	Bayer Test

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648

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