

Covestro Baydur® 646 Polyurethane Structural Foam RIM, Density 20 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. 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-646-Polyurethane-Structural-Foam-RIM-Density-20-pcf-MDI-based-2-Component-Liquid-System.php

Physical Properties	Metric	English	Comments
Density	0.320 g/cc	0.0116 lb/in ³	ASTM D792
Apparent Bulk Density	0.320 g/cc	0.0116 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	37	37	ASTM D2240
Tensile Strength, Ultimate	6.10 MPa	885 psi	ASTM D638/D412
Elongation at Break	7.0 %	7.0 %	ASTM D638/D412
Flexural Yield Strength	8.30 MPa	1200 psi	ASTM D790
Flexural Modulus	0.310 GPa	45.0 ksi	ASTM D790
Compressive Yield Strength	6.10 MPa	885 psi	ASTM D395
Charpy Impact, Notched	0.520 J/cm ²	2.47 ft-lb/in ²	Bayer Test

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