

## Covestro Baydur® 726 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-726-IBS-Polyurethane-Structural-Foam-RIM-Density-40-pcf-MDI-based-2-Component-Liquid-System.php](http://www.lookpolymers.com/polymer_Covestro-Baydur-726-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 <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.640 g/cc	0.0231 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	Bayer Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength, Ultimate	21.0 MPa	3050 psi	ASTM D638/D412
Elongation at Break	8.0 %	8.0 %	ASTM D638/D412
Flexural Yield Strength	39.0 MPa	5660 psi	ASTM D790
Flexural Modulus	1.12 GPa	162 ksi	ASTM D790
Compressive Yield Strength	28.0 MPa	4060 psi	ASTM D395
Charpy Impact, Notched	1.70 J/cm <sup>2</sup>	8.09 ft-lb/in <sup>2</sup>	Bayer Test

Thermal Properties	Metric	English	Comments
CTE, linear	79.0 μm/m-°C	43.9 μin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	83.0 °C	181 °F	ASTM D648
Flammability, UL94	5VA	5VA	UL94
	@Thickness 6.35 mm	@Thickness 0.250 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.90e+14 ohm-cm	2.90e+14 ohm-cm	ASTM D257
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257
Dielectric Constant	2.69 @Frequency 1e+6 Hz	2.69 @Frequency 1e+6 Hz	ASTM D150
Dielectric Strength	13.0 kV/mm	330 kV/in	ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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