

# Baydur® 726 IBS (40 pcf)

Polyurethane (MDI)

Covestro - PUR

## Message:

Baydur 726 IBS is a high-density polyurethane structural foam system used in the reaction injection molding (RIM) process. This system incorporates a specially engineered interactive blowing system (IBS) and is supplied as two reactive liquid components. Component A is a modified polymeric diphenylmethane diisocyanate (PMDI) prepolymer blend, and Component B is a formulated polyol system containing no CFC- or HCFC-blowing additives. Baydur 726 IBS system is used in applications requiring a UL94 flammability rating of V-0 and/or 5VA for use in electronic, equipment housing, and appliance markets. The applications typically take advantage of the material's strength, excellent surface finish, and large-part capability. As with any product, use of the Baydur 726 IBS system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
UL YellowCard	E61384-247034		
Additive	Blowing Agent		
	Mold Release		
Features	Good Strength		
	Good Surface Finish		
Uses	Appliances		
	Electrical/Electronic Applications		
	Housings		
Processing Method	Reaction Injection Molding (RIM)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.638	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (6.35 mm)	0.70 to 0.90	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 6.35 mm)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 6.35 mm)	21.4	MPa	ASTM D638
Tensile Elongation (Break, 6.35 mm)	8.0	%	ASTM D638
Flexural Modulus (6.35 mm)	1100	MPa	ASTM D790
Flexural Strength (6.35 mm)	38.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength <sup>1</sup>	17	kJ/m <sup>2</sup>	Internal Method
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.35 mm)	83.0	°C	ASTM D648
Flammability	Nominal Value		Test Method

V-0

Flame Rating (6.35 mm)	5VA	UL 94
Flammability (6.35 mm)	Pass	FMVSS 302

NOTE

1. 0.25 in

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