Baydur® 726 IBS (45 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	0.718	g/cm³	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)	70		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break, 6.35 mm)	22.8	MPa	ASTM D638
Tensile Elongation (Break, 6.35 mm)	8.0	%	ASTM D638
Flexural Modulus (6.35 mm)	1310	MPa	ASTM D790
Flexural Strength (6.35 mm)	48.3	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength [1]	21	kJ/m²	Internal Method
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.35 mm)	93.0	°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

Recommended distributors for this material

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