Baydur® 728 IBS (40 pcf)

Polyurethane (MDI)

Covestro - PUR

Message:

Baydur 728 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 internal mold release (IMR). The system is supplied as two reactive liquid components. Component A is a polymeric diphenylmethane diisocyanate (PMDI) and Component B is a formulated polyol system containing no CFC- or HCFC-blowing additives.
Baydur 728 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 728 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	E61384-475117	E61384-475574	
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**
Molding Shrinkage - Flow (6.35 mm)	0.70 to 0.90	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break, 6.35 mm)	16.5	MPa	ASTM D638
Tensile Elongation (Break, 6.35 mm)	9.0	%	ASTM D638
Flexural Modulus (6.35 mm)	931	MPa	ASTM D790
Flexural Strength (6.35 mm)	31.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength [1]	13	kJ/m^2	Internal Method
Notched Izod Impact (6.35 mm)	16	J/m	ASTM D256
Unnotched Izod Impact (6.35 mm)	110	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.35 mm)	76.0	°C	ASTM D648
CLTE - Flow (70°C, 6.35 mm)	1.0E-4	cm/cm/°C	ASTM D696
Flammability	**Nominal Value**		**Test Method**

	V-0	
Flame Rating (6.35 mm)	5VA	UL 94

NOTE	
1.	0.25 in

Recommended distributors for this material

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