

Baydur® 728 IBS (45 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)		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 3.96 mm)	24.8	MPa	ASTM D638
Tensile Elongation (Break, 3.96 mm)	8.0	%	ASTM D638
Flexural Modulus (3.96 mm)	1280	MPa	ASTM D790
Flexural Strength (3.96 mm)	49.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	23	kJ/m ²	Internal Method
Notched Izod Impact (3.96 mm)	21	J/m	ASTM D256
Unnotched Izod Impact (3.96 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.96 mm)	88.0	°C	ASTM D648
CLTE - Flow (70°C, 3.96 mm)	1.1E-4	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Test Method	

V-0

Flame Rating (3.96 mm)

5VA

UL 94

NOTE

1. 0.156 in

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