Baydur® 660 IBS (25 pcf)

Polyurethane (MDI)

Covestro - PUR

Message:

Baydur 660 IBS is a black-pigmented, rigid 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 polymeric diphenylmethane diisocyanate (PMDI), and Compo- nent B is a formulated polyol system containing no CFC- or HCFC-blowing additives. Note: Component B should be agitated thoroughly prior to delivery of contents of the drum to the day tank due to possible pigment settling. The Baydur 660 IBS system was designed for general-purpose applications and is used in industrial and recreational 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 660 IBS system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information					
Features	Good strength				
	General				
	Excellent appearance				
Uses	Structural Foam				
	Industrial application				
	General				
Appearance	Black				
Processing Method	Reaction Injection Molding (RIM)				
Physical	Nominal Value	Unit	Test Method		
Specific Gravity	0.239	g/cm³	ASTM D792		
Molding Shrinkage - Flow (6.35 mm)	0.30 - 0.50	%	ASTM D955		
Hardness	Nominal Value	Unit	Test Method		
Durometer Hardness			ASTM D2240		
Shaw D, 6.35mm	28		ASTM D2240		
Shaw D, 12.7mm	30		ASTM D2240		
Mechanical	Nominal Value	Unit	Test Method		
Tensile Strength			ASTM D638		
Fracture, 6.35mm	3.86	MPa	ASTM D638		
Fracture, 12.7mm	3.79	MPa	ASTM D638		
Tensile Elongation			ASTM D638		
Fracture, 6.35mm	7.0	%	ASTM D638		
Fracture, 12.7mm	9.0	%	ASTM D638		
Flexural Modulus			ASTM D790		
6.35 mm	221	MPa	ASTM D790		
12.7 mm	186	MPa	ASTM D790		
Flexural Strength			ASTM D790		
6.35 mm	6.55	MPa	ASTM D790		

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