Baydur® 684 (15 pcf)

Polyurethane

Covestro - PUR

Message:

Baydur 684 is a rigid polyurethane structural foam system used in the reaction injection molding (RIM) process. 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.
The Baydur 684 system is used for applications requiring high compression strength foams,filling cavities and/or producing foam cores for overmolding. As with any product, use of the Baydur 684 system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Uses	Structural Foam Foam		
Forms	Liquid		
Processing Method	Reaction Injection Molding (RIM)		
Hardness	**Nominal Value**		**Test Method**
Durometer Hardness (Shore D, 12.7 mm)	32		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break, 12.7 mm)	3.38	MPa	ASTM D638
Flexural Modulus (12.7 mm)	207	MPa	ASTM D790
Flexural Strength (12.7 mm)	6.03	MPa	ASTM D790
Compressive Strength (12.7 mm)	4.00	MPa	ASTM D695
Thermoset	**Nominal Value**		
Thermoset Components			
Component a	Mixing ratio by weight: 130		
Component B	Mixing ratio by weight: 100		

Additional Information

Part A
Type: Isocyanate
Specific Gravity @ 25°C: 1.24
Viscosity @25°C: 200 cps
Part B
Type: Polyol
Specific Gravity @ 25°C: 1.08
Viscosity @25°C: 900 cps
Machine Reactivity at 80°F
Cream Time: 16 sec
Gel Time: 55 sec
Tack Free Time: 80 sec
Free Rise Density: 5.6 pcf

Recommended distributors for this material

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