Bayfill® EA 6004 (5 pcf)

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Bayfill EA 6004 is an energy-absorbing, semirigid polyurethane foam system designed for automotive interior applications. Foam made with Bayfill EA 6004 has a relatively low density and ability to recover its shape after impact making it an excellent choice for occupant impact protection above the vehicle beltline. The Bayfill EA 6004 system can be incorporated into vehicle headliners and pillar covers for improved occupant protection in collisions. The Bayfill EA 6004 system is supplied as two components. Component A is a modified polymeric diphenylmethane diisocyanate blend. Component B is a polyether polyol system. As with any product, use of the Bayfill EA 6004 system in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

General Information	
Uses	Foam
	Application in Automobile Field
	Car interior parts

Physical	Nominal Value	Unit	
Molded Density	80.1	kg/m³	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Elongation (Break)	16	%	ASTM D638
Compressive Strength			ASTM D1621
10% strain	0.249	MPa	ASTM D1621
50% strain	0.388	MPa	ASTM D1621
70% strain	0.703	MPa	ASTM D1621
Thermoset	**Nominal Value**		
Thermoset Components			
Component a	Mixing ratio by weight: 140		
Component B	Mixing ratio by weight: 100		

Additional Information

Part A
Type: Isocyanate
Appearance: Dark brown liquid
Specific Gravity @ 25°C: 1.24
Viscosity @25°C: 320 cps
Flash Point PMCC: 213°C
Part B
Type: Polyol
Appearance: Colorless liquid
Specific Gravity @ 25°C: 1.04
Viscosity @25°C: 1600 cps
Flash Point PMCC: 199°C
Material Temperature - Isocyanate (Component A): 24 to 29°CMaterial Temperature - Polyol (Component B): 27 to 32°CMold Temperature: 60 to 66°CDemold Time: >3 minMachine Reactivity at 29 to 32°C
Cream Time: 4 to 8 sec
Top of Cup Time: 11 to 13 sec
Gel Time: 20 to 24 sec
Rise Time: 54 to 58 sec
Free-Rise Density: 2.1 to 2.3 lb/ft³

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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