

Bayfill® EA 2204

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Bayfill EA 2204 is a fully formulated two component system for the production of a friable energy absorbing (EA) foam for interior automotive applications. The Bayfill EA system is supplied as two components. Component A is a polymeric diphenylmethane diisocyanate (PMDI) and Component B, is a formulated polyether polyol system. As with any product, use of Bayfill EA 2204 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	Test Method
Molded Density			
Typical	45.0	kg/m ³	ASTM D3574
Typical Range	37.0 - 80.0	kg/m ³	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	0.164	MPa	ASTM D3574
Tensile Elongation (Break)	5.0	%	ASTM D3574
Compressive Strength			ASTM D1621
15% strain	0.198	MPa	ASTM D1621
50% strain	0.279	MPa	ASTM D1621
Thermoset	Nominal Value	Unit	
Thermoset Components			
Component a	Mixing ratio by weight: 360		
Component B	Mixing ratio by weight: 100		
Demold Time	3.0	min	
Additional Information			

Part A

Type: Isocyanate

Specific Gravity @ 25°C: 1.24

Viscosity @25°C: 200 mPa-s

Flash Point PMCC: 199°C

Part B

Type: Polyol

Specific Gravity @ 25°C: 1.02

Viscosity @25°C: 2350 mPa-s

Flash Point PMCC: >200°C

Molding Parameters

Material Temperatures: 27 to 30°C

Mold Temperature: 57 to 63°C

Mix Pressure: 2000 to 2500 psi

Cream Time: 4 sec

Gel Time: 25 sec

Rise Time: 38 sec

Free-Rise Density: 30 kg/m³

Demold Time: 180 sec

Free Rise Density: 30 kg/m³

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