

Bayfill® ST 120

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Bayfill ST 120 is a two-component polyurethane foam system designed to fill cavities of automobile body shells. It has energy absorption capabilities as well as high modulus characteristics. The Bayfill ST 120 foam system can be processed on both high- and low-pressure equipment. It is poured close to a 1:1 ratio, providing excellent mix even on low-pressure equipment, and an excellent shot-to-shot repeatability. As with any product, use of the Bayfill ST 120 foam system in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability. The Bayfill ST 120 foam system is supplied as two components. Component A is a modified polymeric diphenylmethane diisocyanate blend. Component B is a polyether polyol system.

General Information		
Uses	Foam Application in Automobile Field	
Thermoset	Nominal Value	Unit
Thermoset Components		
Component a	Mixing ratio by weight: 1.0	
Component B	Mixing ratio by weight: 1.0	
Shelf Life (25°C)	26	wk
Additional Information		

Part A

Type: Isocyanate

Appearance: Dark brown to black liquid

Specific Gravity @ 25°C: 1.24

Viscosity @25°C: 700 cps

Flash Point PMCC: 213°C

Part B

Type: Polyol

Appearance: White to pink

Specific Gravity @ 25°C: 1.023

Viscosity @25°C: 3100 cps

Flash Point PMCC: 201°C

Material Temperature: 49°C Machine Reactivity

Gel Time: 4 sec

Rise Time: 9 sec

Free-Rise Density: 8.0 to 21.0 lb/ft³

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