Product Information Sheet

87A3486-1.8-SP5PUF1

CONFIDENTIAL and PROPRIETARY
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Description:
A two component system, consisting of a polymeric polyisocyanate "A-side" and a preblended resin "B-side", with HFC-134a blowing agent, which, upon proper mixing, will yield a nominal 1.8 pcf. polyurethane foam. For further details and handling precautions consult the Material Safety Data Sheet.

Process Application:
Designed and meets requirements for applications that specify the following: UL94 HF-1, Federal Motor Vehicle Standard #302, U.S. Coast Guard Regulation 33 CFR, Section 183.114, as well as MIL P-21929 C Class I.

Storage and Shelf-Life:
Six (6) months from date of manufacture when stored in the original, unopened containers at temperatures between 50° and 90°F.

Safety:
Safety First! When working with any chemicals, eye protection and gloves are recommended. Refer to MSDS for specific details.

Physical Properties using Recommended Processing Characteristics: ***(Typical Properties, Individual results may vary):***
(Properties below are typical when processed through a FSI 30PPM SLUG dispensing unit. Properties are subject to change depending on specific operating parameters.)

	A-SIDE	B-SIDE
• Vapor Pressure		
@ 140°F / 60°C	n/d	n/d
• Mix Ratio, pbw.	100	95-100
• Chemical Line Temperature, °F *	76-80°F	76-80°F
• Chemical Cylinder Temperature, °F *	76-80°F	76-80°F
• Fixture Temperature, °F *	n/d	
• Cream, sec.	n/d	
• String Gel, sec.	75-95	
• Free Rise Density, pcf.	1.7-1.9	
• Core Density, pcf. *(ASTM D-1622)*	2.0	
• Dimensional Stability, % Vol. Change *(ASTM D-2126)*		
after 7days @ 130°F/>90% RH	<5	
after 7days @ -80°F	0	
• Water Absorption, lbs/ft^2 *(ASTM D-2127)*	0.03	
• Compressive Strength, psi *(ASTM D-1621)*		
parallel to rise	21-27	
perpendicular to rise	n/d	
• Thermal Efficiency		
Gas Lambda @ 25°C (mW/m·°K)	13	
Initial k-Factor, BTU-in/hr-ft^2-°F *(ASTM C-518)* **	0.15	
• Closed Cell Content, % *(ASTM D-6226)*	>90	
• UL Category Code	QMFZ2	
• Blowing Agent Environmental Impact		
Ozone Depletion Potential	0	
Global Warming Potential	n/d	
Volatile Organic Compound	Exempt	

(Combustibility: Polyurethane foams are organic material and are combustible under certain fire conditions.)

* Final processing temperatures will be determined after field demos.
** Aged k-factors are solely determined by individual applications.