

# J6 Polymers LLC

## Product Bulletin



### JFOAM™ FA-200

#### Product Description

JFoam™ FA-200-R is the R component of a two-component polyurethane system, which when combined with the T component will produce an HFC-245fa/water co-blown rigid polyurethane foam that can be used for low-density insulation applications. This foam system meets Military Specification P-21929.

#### Typical Chemical Properties

	T Component Polymeric MDI	R Component Polyol Blend
Viscosity at 77°F (25°C), cps	200	920
Specific Gravity at 77°F (25°C), g/mL	1.24	1.13
Mixing Ratio (% by weight)		
R Component Water/245fa Blown Polyol	48	
T Component Polymeric MDI	52	

#### Typical Physical Properties

Hand Mix Reactivity, R Component at 77°F (25°C) / T Component at 70°F (21°C)			
Cream Time, seconds	25		
String Time, seconds	85		
Cup density, #10 cup, pcf	2.00		
Density, ASTM D-1622			
Molded, overall, pcf	2.95		
Core, pcf	2.49		
Compressive Strength, 10% deflection, ASTM D-1621			
Parallel, psi	45.1		
Perpendicular, psi	47.7		
Initial K-Factor, ASTM C-518, BTU in/hr ft <sup>2</sup> °F	0.162		
Shear Strength, ASTM C-273, psi	37.1		
Tensile Strength, ASTM D-1623, psi	52.67		
Water Absorption, ASTM D-2842			
lb/in <sup>2</sup>	0.01		
% by volume	0.61		
Tumbling Friability, ASTM C-421, % loss	1.16		
Closed Cell Content, ASTM D-2856, %	88		
Compression Set, Mil-P-21929C, % loss	2.45		
Oil Resistance, ASTM D-471, Mil-P-21929C	Pass		
Dimensional Stability, ASTM D-2126, % volume change			
	At -20°F (-29°C)	At 158°F (70°C)	At 158°F (70°C)/ 100%R.H.
1 day	-0.19	-0.02	-0.33
7 days	-0.18	-0.08	-1.95
14 days	-0.28	-0.17	-2.95
28 days	-0.32	-0.10	-3.84

## Storage

Avoid moisture contamination during storage, handling, and processing. Store the isocyanate component from 65°F to 85°F. Do not expose isocyanate component to lower temperatures as freezing may occur. Store the polyol component at temperatures not exceeding 60°F.

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## Shelf Life

The shelf life is 6 months if stored in original unopened containers.

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## Health and Safety Information

Safety Data Sheets are available which provide information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read and become familiar with the available information on the risks involved, proper use, and handling.

All polyurethane foam burns in varying degrees, which in turn liberates toxic gases; the foam should be evaluated in its final form for compliance to existing standards in your industry. Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

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