



## Product Bulletin

### Product Description

#### JFOAM™ AC-555

JFoam™ AC-555 is a two-component water blown polyurethane foam system, which can be used for large void filling applications. The foam produced from AC-555 has been shown to meet or exceed all criteria for MIL-P-24249.

### Typical Component Properties

	T Component Polymeric Isocyanate	R Component Water Blown Polyol
Viscosity at 77°F (25°C), cps	200	700
Specific Gravity at 77°F (25°C), g/ml	1.24	1.14
Mixing Ratio (% by weight)	58	42

### Typical Reactivity Properties

Hand Mix Reactivity at 77°F (25°C)	
Cream Time, seconds	62
String time, seconds	305
Density, ASTM D-1622	
Nominal Free Rise, pcf	5.30
Compressive Strength, 10% deflection, ASTM D-1621	
Parallel, psi	95
Perpendicular, psi	72
Compressive Strength at 10% deflection, 7day humid age	
Compressive Strength Change, Mil-P-21929B, % change	1.90
Shear Strength, ASTM C-273, psi	60
Tensile Strength, ASTM D-1623 (Type A Specimen), psi	85
Water Absorption, Mil-P-21929B, lb./ft <sup>2</sup>	0.08
Closed Cell Content, ASTM D-2856, %	99.3
Oil Resistance, Mil-J-5624 (JP-5 Fuel)	Pass
Fire Resistance, ASTM D-1692	Pass
Dimensional Stability, ASTM D-2126, % volume change at 158°F(70°C)/ 100% R.H.	
7 days	-0.97
28 days	-2.08

### Processing Parameters

JFoam™ AC-555 can be processed through conventional dispensing equipment that is capable of maintaining a 58/42 percent weight ratio, a temperature control of 85°F +/- 5.0°F, and obtaining a uniform mix that produces a fine, uniform cell that has no striations, tackiness, or discoloration. It is intended to be poured into a thickness of greater than 18 inches.

## Storage

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

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## Shelf Life

The shelf life is 12 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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