



Product Bulletin

Product Description

JFOAM™ A-216

JFoam™ A-216 is used in radome fabrication, antenna filling, structural panels, and aircraft control sections. A-216 is not to be used where cross section is greater than three inches. A-216 has a small uniform cell structure and a low viscosity at pour point.

Typical Chemical Properties

Viscosity

	<u>70°F</u>	<u>80°F</u>	<u>90°F</u>	<u>100°F</u>	<u>110°F</u>	<u>120°F</u>
Component, cps	115,000	65,000	33,500	17,500	9,000	4,750
T Component, cps	105	77	64	56	51	50

Mixing Ratio (% by weight)

R Component Water Blown Polyol	56
T Component TDI Prepolymer	44

Typical Physical Properties

Molded Density, pcf	16.0
Compressive Strength, psi	800
Shear Strength, psi.....	500
Tensile Strength, psi.....	660
K-Factor, BTU in/hr. ft ² °F.....	0.30
Stress at 2% Strain, psi.....	600
Modulus of Rigidity, psi	10,000
Modulus of Elasticity, psi.....	23,000
Water Absorption, 10' head, 24 hours, %.....	0.8
Dielectric Constant @ 9,375 MHz	1.31
Loss Tangent @ 9,375 MHz	1.7x 10 ⁻³
Maximum operating temperature, °F.....	250

Processing Parameters

Blend T component into R component. Mix for about two minutes. Pour at decrease of viscosity and perception of exothermic heat. When foaming action has ceased, postcure immediately. Average cure is two hours at 200°F. Cool part to 110-130°F before stripping from mold.

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.

Shelf Life

The shelf life is 12 months if stored in original unopened containers.

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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