



Product Bulletin

JFOAM™ A-206

Product Description

JFoam™ A-206 is used in radome fabrication, antenna filling, structural panels, and aircraft control sections. A-206 is not to be used where cross section is greater than three inches. A-206 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>
R Component, cps	186,000	98,000	56,000	32,000	10,750	9,900
T Component, cps	138	100	75	59	48	42

Mixing Ratio (% by weight)

R Component Water Blown Polyol	51
T Component TDI Prepolymer	49

Typical Physical Properties

Molded Density, pcf	6.0
Compressive Strength, psi	150
Shear Strength, psi	130
Tensile Strength, psi	190
K-Factor, BTU in/hr. ft ² °F	0.28
Stress at 2% Strain, psi	110
Modulus of Rigidity, psi	2,000
Modulus of Elasticity, psi	5,600
Dielectric Constant @ 9,375 MHz	1.12
Outgassing Data	
% Total mass Loss (TML)	2.00
% Collected Volatile Condensable Materials (CVCM)	0.90
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 about 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.

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