



Product Bulletin

Product Description

JFOAM™ G-504

JFoam™ G-504 is a two component water blown polyurethane foam system used in structural panels, as well as in insulation, buoyancy, and potting applications.

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	26,000	15,000	7,500	5,250	2,750	1,850
T Component, cps	1,750	1,325	870	620	435	310

Mixing Ratio (% by weight)

R Component Water Blown Polyol	36
T Component TDI Prepolymer	64

Typical Physical Properties

Density, ASTM D-1622	
Molded, Overall, pcf	4.0
Compressive Strength, 10% deflection, ASTM D-1621	
Parallel, psi.....	75
Perpendicular, psi	55
Initial K-Factor, BTU in/hr. ft ² °F	0.230
Water Absorption, lb/ft ² , ASTM D-2842.....	0.07
Closed Cell Content, ASTM D-2856, %.....	95
Maximum Operating Temperature, °F	180

Processing Parameters

Both components should be used at room temperature (70-75°F). Add R component to T component. For maximum adhesion to metal surfaces, preheat part to 140-150°F. Mix 20-30 seconds with power mixing equipment or 60-90 seconds by spatula. Pour as soon as an increase in volume or exotherm is noted. Foam will cure at room temperature within 30 minutes. If molding, allow one hour de-mold time. Cool mold below 125°F before de-molding part.

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 6 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.

J6 Polymers LLC
601 Derby Line Rd
Genoa, IL 60135 USA
Tel: (815) 517-1173
Fax: (815) 517-0781
customerservice@j6polymers.com
www.J6polymers.com

