



Product Bulletin

Product Description

JFOAM™ HTC-18

JFoam™ HTC-18-R is the B component of a two part polyurethane modified polyisocyanurate system, which when combined with the A component will produce an all water-blown rigid polyurethane / polyisocyanurate foam system. HTC-18 can be used in core foam applications requiring high compressive strengths and modulus at high temperatures.

Typical Chemical Properties

	T Component <u>Polymeric MDI</u>	R Component <u>Polyol Blend</u>
Viscosity at 77°F (25°C), cps	200	900
Mixing Ratio (% by weight)		
R Component Water Blown Polyol		38.6
T Component Polymeric MDI		61.4

Typical Physical Properties

Hand Mix Reactivity at 77°F (25°C)	
Cream Time, seconds	12
String Time, seconds.....	212
Cup density, #10 cup, pcf	8.6
Density, ASTM D-1622	
Molded, overall, pcf	13.3
Core, pcf.....	12.6
Compressive Strength, 10% deflection, ASTM D-1621	
Parallel, (77°F) psi.....	293
Parallel, (350°F) psi.....	153
Perpendicular, (350°F) psi.....	163
Compressive Modulus, ASTM D-1621	
Parallel, (77°F) psi.....	4257
Parallel, (350°F) psi.....	2447
Perpendicular, (350°F) psi.....	2573

**Foams were cured at 250°F for 2 hours

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

