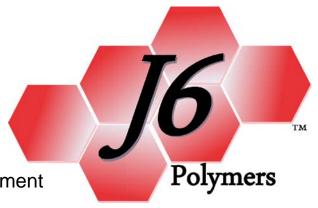
J6 Polymers LLC

Product Bulletin



JFOAM™ HTC-15-In Development

Product Description

JFoam™ HTC-15-R is the R component of a two part polyurethane system (modified polyisocyanurate), which when combined with the T component will produce an all waterblown rigid polyurethane/polyisocyanurate foam system. HTC-15 can be used in core foam applications requiring high compressive strengths and modulus at high temperatures.

Typical Component Properties

Viscosity at 77°F (25°C), cps Mixing Ratio (% by weight) T Component R Component
Polymeric MDI
200
200
200
34

Typical Physical Properties

| Hand Mix Reactivity, Components at 25°C Cream Time, seconds |
|---|
| Density, ASTM D-1622 |
| Molded, overall, pcf14.1 |
| Core, pcf |
| Compressive Strength, 10% deflection, ASTM D-1621 |
| Parallel, (25°C) psi413 |
| Parallel, (175°C) psi |
| Perpendicular, (175°C) psi98 |
| Compressive Modulus, ASTM D-1621 |
| Parallel, (25°C) psi6458 |
| Parallel, (175°C) psi |
| Perpendicular, (175°C) psi |
| Tensile Strength, ASTM D-1623 |
| Parallel, psi |
| Tensile Modulus, ASTM D-1622 |
| Parallel, psi8516 |
| Shear Strength, ASTM C-273 |
| Parallel, psi |
| Shear Modulus, ASTM C-273 |
| Parallel, psi |
| Flatwise Tensile, as core material, ASTM C-297 |
| Parallel, skins on, psi |
| Parallel, skins off, psi |
| Flatwise Tensile Modulus, as core material, ASTM C-297 |
| Parallel, skins on, psi |
| Parallel, skins off, psi |
| Coefficient of Thermal Expansion, ASTM E 831, 25°C to 200°C, µm/(m⋅°C)111 |
| |

^{**} 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 handing.

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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