J6 Polymers LLC

Product Bulletin

JFOAM™ BX-300

Product Description

JFoam™ BX-300 is an all water blown, rigid polyurethane / polyisocyanurate foam system, which can be used for pour in place applications

Typical Component Properties

	T Component Polymeric MDI	R Component Polyol Blend
Viscosity at 77°F (25°C), cps	200	1,100
Specific Gravity at 77°F (25°C)	1.24	1.09
Mixing Ratio (% by weight)	70	30

Typical Physical Properties

Hand Mix Reactivity at 77°F (25°C)
- Cream Time, seconds 24
- Tack Free Time, seconds 70
- Cup density, #10 cup, pcf 3.00

Density, ASTM D-1622
- Molded, overall, pcf 5.0
- Core, pcf 4.6

Compressive Strength, 10% deflection, ASTM D-1621
- Parallel, psi 77.5
- Perpendicular, psi 80.5

Compressive Modulus, ASTM D-1621
- Parallel, psi 1790
- Perpendicular, psi 1780

Shear Strength, ASTM C-273
- Parallel, psi 35.8
- Perpendicular, psi 32.9

Shear Modulus, ASTM C-273
- Parallel, psi 970
- Perpendicular, psi 820

Tensile Strength, ASTM D-1623
- Parallel, psi 38.9
- Perpendicular, psi 41.5

Tensile Modulus, ASTM D-1623
- Parallel, psi 4,810
- Perpendicular, psi 3,490

Dimensional Stability, ASTM D-2126, % volume change

	At -20°F (-29°C)	At 200°F (93.3°C)	at 158°F (70°C) / 100% R.H.
1 day	-0.2	5.7	1.7
7 days	0	6.1	2.8
14 days	0.1	6.5	3.6
28 days	0.3	7.0	3.6

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 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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