J6 Polymers LLC

Product Bulletin

JFOAM™ BX-800

Product Description

JFoam™ BX-800 is intended for use in molded propeller fairings and structural panels. BX-800 can be used for large cross section pours.

Typical Component Properties

	T Component Polymeric MDI	R Component Polyol Blend
Viscosity at 77°F (25°C), cps	200	3,500
Specific Gravity @ 25°C	1.24	1.09
Mixing Ratio (% by weight)	50	50

Typical Physical Properties

	77°F(25°C)	300°F(149°C)
Density, ASTM D-1622		
Molded, overall, pcf	14.0	14.0
Core, pcf	9.8	9.8
Compressive Strength, 10% deflection, ASTM D-1621		
Parallel, psi	363.1	68.5
Perpendicular, psi	389.3	109.9
Compressive Modulus, ASTM D-1621		
Parallel, psi	3690	685
Perpendicular, psi	3913	1103
Shear Strength, ASTM D-732		
Parallel, psi	137.9	
Tensile Strength, ASTM D-1623		
Parallel, psi	150	

Dimensional Stability, ASTM D-2126, % volume change:

	@-20°F (-29°C)	@158°F (70°C)	@ 158°F (70°C)/ 100%R.H.
7 days	-0.02	-1.2	1.8
14 days	0.0	-1.1	1.6
28 days	-0.02	-1.4	-0.6

Linear Change at 28 days, %:

@-20°F (-29°C)	@158°F (70°C)
-0.081	-0.458

Processing Parameters

Condition both components to 77°F. Blend T Component into R component. Mix for 30 seconds and pour the contents into a mold preheated to 100-120°F. When foaming action has ceased, postcure as recommended. (Maximum physical properties require two hour cure 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 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.

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