



Product Bulletin

Product Description

JFOAM™ BX-190

JFOAM™ BX-190-R is the resin component of a two part polyurethane system, which when combined with the T component, Isocyanate, will produce a water-blown rigid polyurethane foam system. BX-190 is used for void fill and core material applications and can meet some military specifications.

Typical Component Properties

	T Component <u>Polymeric MDI</u>	R Component <u>Polyol Blend</u>
Viscosity at 77°F (25°C), cps	200	1,500
Liquid Density at 77°F (25°C), g/ml	1.24	1.07
Mixing Ratio (% by weight)	62	38

Typical Physical Properties

Hand Mix Reactivity at 77°F (25°C)			
Cream Time, seconds			21
Tack Free Time, seconds			94
Cup density, #10 cup, pcf			1.96
Density, ASTM D-1622			
Core, pcf			2.4
Compressive Strength, 77°F (25°C), 10% deflection, ASTM D-1621			
Parallel, psi			44.5
Modulus, psi			960
Compressive Strength, 160°F (71°C), 10% deflection, ASTM D-1621			
Parallel, psi			24.6
Modulus, psi			583
Tensile Strength, 77°F (25°C), ASTM D-1623			
Parallel, psi			47.2
Modulus, psi			3083
Tensile Modulus, 160°F (71°C), ASTM D-1623			
Parallel, psi			41.7
Modulus, psi			2116
Shear Strength, psi, ASTM C-273			24.5
Shear Modulus, psi, ASTM C-273			1026
Water Absorption, ASTM D-2842			
lb/in ²			0.20
% by volume			11.63
Friability % loss, ASTM C-421			13.37
K-factor, aged, BTU in/hr ft ² °F, ASTM C-518			0.170
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	-0.16	-1.45	.80
7 days	-0.96	-1.39	-1.39
14 days	-1.56	-1.32	-1.53

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

