



Product Bulletin

Product Description

JFOAM™ BX-590

JFoam™ BX-590-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-590 can be used in a variety of specialized medium density molding and void filling applications.

Typical Component Properties

	T Component Polymeric MDI	R Component Polyol Blend
Viscosity at 77°F (25°C), cps	200	5,900
Specific Gravity at 77°F (25°C)	1.24	1.11
Mixing Ratio (% by weight)	60	40

Typical Physical Properties

Hand Mix Reactivity at 77°F (25°C)	
Cream Time, seconds	59
Rise Time, seconds	237
Cup density, P4325, pcf	5.90
Density, ASTM D-1622	
Free Rise, pcf	5.9
Free Rise Compressive Strength, 10% deflection, ASTM D-1621	
Parallel, psi	132
Density, ASTM D-1622	
Molded, overall, pcf	6.8
Core, pcf	6.5
Compressive Strength, 77°F (25°C), 10% deflection, ASTM D-1621	
Parallel, psi	165
Compressive Strength, 160°F (70°C), 10% deflection, ASTM D-1621	
Parallel, psi	113
Compressive Strength, 350°F (177°C), 10% deflection, ASTM D-1621	
Parallel, psi	28
Tensile Strength, 77°F (25°C) ASTM D-1623	
Parallel, psi	151
Tensile Strength, 160°F (70°C) ASTM D-1623	
Parallel, psi	107

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 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.

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