



TECHNICAL DATA SHEET

EZ Flex 1.0 SYSTEM

PRODUCT DESCRIPTION

The EZ Flex 1.0 series polyurethane packaging foam system is designed for shock absorbing applications. This is a premium, flexible foam with a dense skin which gives the foam the ability to support heavy and expensive shipments such as file servers, test equipment, etc. It has more cushion and recovery than most packaging foam and can be used in bag machines effectively to make complex shapes. The unique handling characteristics of these systems provide ease of mixing through a variety of dispensing machines and will produce a uniform product with excellent cell structure. This product does not contain any CFC or HCFC blowing agents. These systems can also be formulated with fire retardants upon request to meet customer requirements. These systems are noted with the letters FR following the product code.

APPLICATIONS

The EZ Flex 1.0 series system has been formulated for use in packaging of electronic equipment, medical instruments, ceramics and other applications requiring shock absorption and vibration dampening. The EZ Flex 1.0 series system can also be used for void filling or making pre-molded inserts of various shapes and sizes.

STORAGE AND HANDLING

Containers for both Side-A and Side-B components should be kept tightly closed to prevent moisture contamination. Do not reseal if contamination is suspected. To extend the chemical's life, the use of a dry nitrogen blanket for partial drums is recommended. Both chemicals may be stored at ambient temperatures (50-95°F) (10-35°C). For best results, this product should not be allowed to freeze. Do not breathe aerosol or vapors and avoid contact with skin and eyes. Exposure to vapors of MDI (A side chemical) heated in an open container can be dangerous.

HEALTH AND SAFETY

Appropriate literature is available from E-Z Flow which provides information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on the hazards, proper use and handling. This is extremely important and cannot be overemphasized. Information is available in several forms, e.g. safety data sheets and product labels. To obtain this information, contact your E-Z Flow Foam Systems representative.

TYPICAL PROPERTIES SIDE-A (ISO)

Viscosity @ 77°F (25°C)	150-200 cps
Specific Gravity @ 77°F (25°C)	1.24
Appearance @ 77°F (25°C)	liquid

TYPICAL PROPERTIES SIDE-B (POLYOL BLEND)

Viscosity @ 77°F (25°C)	600-800 cps
Specific Gravity @ 77°F (25°C)	1.18
Appearance @ 77°F (25°C)	viscous liquid

TYPICAL PHYSICAL PROPERTIES

Cream Time	10-15 seconds
Rise Time	30-40 seconds
Demold Time	1 minute
Density, pcf	0.45-0.55 lbs/ft ³
Compressive Strength, Parallel	N/A psi (MPa)
Compressive Strength, Perpendicular	N/A psi (MPa)
Shear Strength	N/A psi (MPa)
Closed Cell Content	N/A %

PROCESSING CHARACTERISTICS

Ratio, by Volume A:B	50:50
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INITIAL SUGGESTED MACHINE SETTINGS

Machine	E-Z Flow Gen IV Foam-In-Place System
Air Pressure Range for 2:1 Pumps operation	95-110 PSI
Isocyanate (A) side Initial Temperature Setting	120° F (49°C)
Polyol Resin (B) side Initial Temperature Setting	140° F (60°C)

Different temperatures may be required for best results. Consult your E-Z Flow Representative for optimization. Temperatures above 140° F should be avoided on A-side.



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