



TECHNICAL DATA SHEET

EZF 0.50 SYSTEM

PRODUCT DESCRIPTION

EZF 0.50 is a two-component polymeric MDI based polyurethane system, utilizing water as a sole blowing agent. The system is formulated primarily for packaging applications. This is our standard, general purpose, water blown packaging foam. It produces low density foam with good dimensional stability and low odor. It will protect a wide range of products for shipment. It is designed for use in our E-Z Flow dispensing system, and will also work very well in any other Foam-In-Place equipment. It's a very forgiving foam.

APPLICATIONS

The EZF 0.50 system has been formulated for a wide variety of applications, including packaging of electronic equipment, medical instruments, ceramics and other applications requiring shock absorption and vibration dampening. The EZF 0.50 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.

HANDLING 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)	180-250 cps
Specific Gravity @ 77°F (25°C)	1.22 – 1.23
Appearance @ 77°F (25°C)	liquid

TYPICAL PROPERTIES SIDE-B (POLYOL BLEND)

Viscosity @ 77°F (25°C)	320-400 cps
Specific Gravity @ 77°F (25°C)	1.00 – 1.04
Appearance @ 77°F (25°C)	liquid

TYPICAL PHYSICAL PROPERTIES

Cream Time	8-10 seconds	
Rise Time	25-35 seconds	
Demold Time	5-8 minutes	
Density, pcf	0.50-0.55 lbs/ft3	
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
Ratio, by Weight A:B	54:46

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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