



TECHNICAL DATA SHEET

EZF 0.40 SYSTEM

PRODUCT DESCRIPTION

The EZF 0.40 system is a two component polymeric MDI based polyurethane system, utilizing water as a sole blowing agent. The system is formulated primarily for packaging applications. It produces low density foam with good dimensional stability and low odor. The components can be easily processed through most types of polyurethane dispensing equipment. It is water blown and has good resilience and recovery. Small quantities can be hand mixed, or our E-Z Flow dispensing system can be used with very good results.

APPLICATIONS

The EZF 0.40 system packaging foam is for budget conscious customers, shipping less heavy products where weight is not a factor. The EZF 0.40 system is ideal for shipping glassware, electronics, and other light products. It is designed to absorb shock, such as dropping or piercing the package.

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). 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 over-emphasized. 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)	200 cps
Specific Gravity @ 77°F (25°C)	1.22
Appearance @ 77°F (25°C)	Dark Brown Liquid

TYPICAL PROPERTIES SIDE-B (POLYOL BLEND)

Viscosity @ 77°F (25°C)	380-500 cps
Specific Gravity @ 77°F (25°C)	1.02
Appearance @ 77°F (25°C)	Clear Liquid

TYPICAL PHYSICAL PROPERTIES

Cream Time	9 seconds
Rise Time	28 seconds
Demold Time	5-8 minutes
Density, pcf	0.42-0.47 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	100:100
Ratio, by Weight A:B	100:84

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
Polyol Resin (B) side Initial Temperature Setting	140°F

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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