



TECHNICAL DATA

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F12828/FSA21 FLEXIBLE MOLDED SYSTEM

Description

A polyurethane water blown semi-flexible foam system used in specialty molding applications. Exhibits excellent flowability and may be molded using pour in place techniques.

Material Characteristics

Viscosity: @ 72°F	FSA21	50 – 100 cps
	F12828	1100 – 1700 cps
Specific Gravity:	FSA21	1.23
	F12828	1.03
Cream Time:		20 seconds
Gel Time:		65 seconds
Total Rise Time:		110 seconds
Free Rise Density:		3.8 pcf
Molded Density:		4.5 – 6.0 pcf
Tensile Strength:		18 psi
Elongation:		68%
Block Tear:		0.84 pi
Heat Aged Tensile Strength: 7 days @ 175°F		18 psi
Heat Aged Elongation:		62%
Heat Aged Tear:		0.84 pi
Compression Set:		11.8%
ASTM D3574-05, Test D		
Flammability: FMVSS302		2.0 in/min
Storage Temperature:	FSA21	65° - 85°F
	F12828	65° - 85°F

Notes

- The flammability data is not intended to reflect the hazards presented by this or any other material under actual fire conditions.

Application Data

Equipment:	Proportioner must be capable of holding the mix ratio at $\pm 2\%$ and metering the materials at required temperatures and pressures. Mix head must be capable of efficiently mixing the two components and dispensing them in an even stream. Resin must be agitated while processing.
Mix Ratio: (by weight)	1 "F12828" : 0.393 "FSA21"
Process Temperature:	75° - 95°F

Shelf Life

This product is warranted against manufacturing defects for a period of six months from the date of manufacture.

Safety Information

- Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information.
- Do not apply material in enclosed areas without adequate air exchange and ventilation.
- All application personnel must use respirators rated for organic vapors, or in confined spaces wear fresh air respirators or fresh air hoods.
- Wear protective clothing, gloves and eye protection.
- Breathing fumes or contact with the skin may cause severe allergic reactions.
- This product is intended for industrial use by properly trained professional applicators only.**

ITW FUTURA COATINGS, 1685 GALT INDUSTRIAL BLVD., ST LOUIS, MO, (314) 733-1110

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