



FR-4300 Thermoformable Foam

Product Description and Physical Properties

FR-4300 Thermoformable Foam is a unique flame-retardant structural polyurethane foam. It is intended for composite panel cores and other structures where compound-curved surfaces or other details can be made with low-cost heat-forming methods. A closed-cell material, it is easily bonded and will accept a variety of adhesives and coatings. **FR-4300 Thermoformable Foam contains no chlorofluorocarbons.**

Softening Temperature: 230° F
Processing Temperature: 250° to 270° F
Maximum Continuous Service Temperature: 160° F

PHYSICAL PROPERTY	TEST METHOD	NOMINAL ULTIMATE VALUES		
Foam Density	ASTM D-1622	5.0 PCF	10.0 PCF	15.0 PCF
Compressive Strength, 75°F	ASTM D-1621			
Parallel to Rise		119 psi	300 psi	514 psi
Perpendicular to Rise		113 psi	257 psi	414 psi
Compressive Modulus, 75°F	ASTM D-1621			
Parallel to Rise		4,613 psi	11,906 psi	20,732 psi
Perpendicular to Rise		2,180 psi	7,098 psi	14,159 psi
Compressive Strength, 160°F	ASTM D-1621			
Parallel to Rise		99.8 psi	230 psi	375 psi
Perpendicular to Rise		56.2 psi	176 psi	342 psi
Compressive Modulus, 160°F	ASTM D-1621			
Parallel to Rise		2,940 psi	9,506 psi	18,874 psi
Perpendicular to Rise		1,038 psi	4,114 psi	9,204 psi
Shear Strength, 75°F	ASTM C-273			
Parallel to Rise		126 psi	268 psi	417 psi
Shear Modulus, 75°F	ASTM C-273			
Parallel to Rise		1,439 psi	3,434 psi	5,711 psi
Friability (% Weight Loss)	ASTM C-421	0.12	0.10	0.07
Flame Resistance	FAR 25.853 (a) & (b)	Pass	Pass	Pass
	BSS 7230 F1 & F2	Pass	Pass	Pass
	MIL-P-26514F	Pass	Pass	Pass

WARRANTY

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CAUTION: The flammability characteristics indicated for **LAST-A-FOAM®** are obtained from comparative tests, conducted under specific laboratory conditions. The sole purpose of these tests is to establish relative burning characteristics of foam materials. Terms such as "self extinguishing" or "flame spread" used in test data are not intended to reflect the fire hazard of **LAST-A-FOAM®** under actual use conditions. The test results are not accurate indicators of the flammability of **LAST-A-FOAM®** in actual fire environments.