



LAST-A-FOAM® FR-4300 THERMOFORMABLE BOARD SERIES

LAST-A-FOAM® FR-4300 Thermoformable Foam is a unique flame-retardant structural polyurethane foam, that retains its chemical and solvent properties under heat. 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.

Potential applications are composite panel cores or detailed structures and compound-curved structures.

Softening Temperature: 230°F (110°C)
 Processing Temperature: 250°F - 270°F
 (121 - 132°F)

Maximum Continuous Service Temperature: 160°F (71°C)

FEATURES & BENEFITS

- Retains chemical and solvent properties under heat
- Accommodates low-cost heat-forming methods
- Compatible with a number of adhesives and coating
- Flame retardant

CERTIFICATIONS & QUALITY SYSTEMS

ISO 9001:2015/AS9100D
 NQA-1
 Mil-I-45208A
 Boeing Company D6-82473
 ITAR-Compliant
 Nadcap AC7130 Rev C.
 Nadcap AC7130/1 Rev A.

PHYSICAL PROPERTY DATA

PROPERTY	UNIT	FR-4305	FR-4310	FR-4315	TEST METHOD
Density	lbs/ft ³	5	10	15	ASTM D-1622
	kg/m ³	80	160	240	
Compressive Strength (75°F)	psi	100	300	560	ASTM D-1621
	kPa	690	2,050	3,850	
Tensile Strength	psi	150	400	650	ASTM D-1623 Type A Specimens
	kPa	1,050	2,750	4,500	
Flexural Strength	psi	70	340	830	ASTM D-790 Method 1-A
	kPa	480	2,350	5,700	

Values shown are parallel to the direction of rise and representative values.

Rev. 6.19.2019

This data is subject to revision and changes due to development of and changes to the material. The data is derived from tests and historical usage. The data is averaged data and should be treated as such. These values do not constitute a sales specification. Calculations should be verified by actual tests. The data is furnished without liability for the company and does not constitute a warranty or representation in respect to the material or its use. The company reserves the right to release new data sheets in replacement.

For additional physical property data, please contact our technical sales group at 253.473.5000 or sales@generalplastics.com

