



LAST-A-FOAM® FR-3800 FST RIGID POLYURETHANE FOAM

PROPERTY	UNIT	FR-3803	FR-3804	FR-3808	FR-3818	FR-3825	FR-3830	FR-3840	TEST METHOD
Density	lbs/ft ³	3	4	8	18	25	30	40	ASTM D-1622
	kg/m ³	48	64	128	288	400	481	641	
Compressive Strength (75°F)	psi	40	75	220	740	1,300	1,700	3,600	ASTM D-1621
	kPa	280	520	1,500	5,100	8,950	11,700	24,800	
Tensile Strength	psi	40	70	180	500	850	1,100	1,900	ASTM D-1623 Type A Specimens
	kPa	280	480	1,250	3,450	5,850	7,600	13,100	
Shear Strength	psi	30	45	95	430	780	1,050	1,350	ASTM C273 in Compression *Modified sample size = 0.25"x1.0"x3.0"
	kPa	210	310	650	2,950	5,400	7,250	9,300	
Flexural Strength	psi	40	70	220	750	1,300	1,600	3,100	ASTM D-790 Method 1-A
	kPa	280	480	1,500	5,150	8,950	11,050	21,400	
Coefficient of Thermal Expansion (CTE)	in/in-°F	29 x 10 ⁻⁶							From -50 to +200°F, GP Method
	m/m-K	52 x 10 ⁻⁶							
Heat Release Peak	(kW/m ²)	PASS							FAR Part 25, Appendix F, Part IV
Heat Release Total	(kW-min/m ²)	PASS							FAR Part 25, Appendix F, Part IV
Smoke Density		PASS							FAR Part 25, Appendix F, Part V
Max Use Temperature	°F	280							
	°C	138							

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

4/4/2018

GENERAL PLASTICS MANUFACTURING COMPANY

4910 BURLINGTON WAY

TACOMA, WA 98409

phone (253) 473-5000 fax (253) 473-5104

e-mail: sales@generalplastics.com

website: www.generalplastics.com

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. 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.