



2537 Wharton Glen Avenue, Mississauga, Ontario, L4X 2A8
Phone: (905) 277-9925 | Fax: (905) 277-9934 | www.combifab.com

TECHNICAL DATA SHEET

PS818 POLYURETHANE FOAM WITH FSK REFLECTIVE MATERIAL AND ADHESIVE BACKING

CF811 Polyester Foam Grey, 1" Thick

Density (1lbs./cub ft.)	2 +/- 0.2
Tensile Strength min. (PSI)	16
Ultimate Elongation min. %	90
Tear Resistance min. (PPI)	1.1
Compression Set max. at 50% deflection	10%
Compression-Deflection 25% (PPI)	0.55
Retention of Tensile Strength	
After 6hrs Steam Autoclave at 150°C	min. 70%
After 22hrs Steam Autoclave at 140°C	min. 70%
Flammability per UL94HF-1	Pass
Flammability per MVSS302	Pass
Thermal Conductivity at 75%	0.27 BTU In/Hr. ft. 2F

CF951 Foil-Scrim-Kraft (FSK), .008" Thick

Foil - Aluminum	.00035 in. (+/-10%)
Coating - Elastomeric	
Adhesive - Flame Resistant	
Reinforcing - Tri-directional	MD: 5/inch
Reinforcing - Fiberglass/Polyester	XD: 5/inch
Kraft - Natural	30 lbs./3000 sf (+/-10%)



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Physical Properties	Test Method	Values
Basic Weight	Scale	24lbs./msf (+/-10%)
Permeance (WVTR)	ASTM E-96 Procedure A	.02 perm maximum
Bursting Strength	ASTM D-774	60 psi minimum
Puncture Resistance	ASTM D-781	100 Beach units min.
Tensile Strength	ASTM C-1136	MD: 55lbs./inch width XD: 35lbs./inch width
Accelerated Aging	30 days @ 95% RH & 120°F	No corrosion No delamination
Low Temperature Resistance	ASTM D-1790 -40°F	Remains flexible No delamination
High Temperature Resistance	4hrs. @ 240°F	Remains Flexible No delamination
Water Resistance (Immersion)	24hrs. @ 73°F	No delamination
Mold Resistance	ASTM C-665	No growth
Dimensional Stability	ASTM D-1204	0.25% maximum
Emissivity	ASTM E-408	.03
Caliper/Thickness	Micrometer	.008 inches

Surface Burning Characteristics (UL-723) / (ASTM E-84)

	Foil Exposed	Kraft Exposed
Flame Spread	5	25
Smoke Developed	0	10



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AC694 Double Coated Polyester Film

1/2 mil Polyester Film, Coated with:

Liner Side: High Tack rubber Adhesive

Peel Adhesion: 100ozs/in. of width

Static Shear: 7+ days as per PSTC-7

Exposed Side: High Tack Acrylic Adhesive

Peel Adhesion: 80ozs/in. of width

Static Shear: 10+ hours as per PSTC-7

Tensile Strength: 10lbs./in. of width

Elongation: 60%