



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%