

TECHNICAL DATA

Product: *All Service Jacket (ASJ) Facing*

Facing Composition	Description	Values (English)	Values (Metric)
Foil	Aluminum	0.0003 inch	7.6 micron
Barrier Coating	Elastomeric Polymer	0.0002 inch	5.1 micron
Reinforcing	Tri-directional Fiberglass	5 / inch (MD)	20 / 100 mm (MD)
		5 / inch (XD)	20 / 100 mm (XD)
Adhesive	Flame Resistant		
Kraft	High Intensity White	45 lbs / 3000 ft ²	73 gm / m ²
Film	Polyethylene	14 lbs / 3000 ft ²	23 gm / m ²
Film	Polyethylene	14 lbs / 3000 ft ²	23 gm / m ²

Physical Properties	Test Method	Values (English)	Values (Metric)
Basis Weight	Scale	39 lbs / 1000 ft ²	191 gm / m ²
Permeance (WVTR)	ASTM E96 Procedure A	0.02 perm (grains/hr ft ² in Hg)	1.15 ng / Ns
Bursting Strength	ASTM D774	65 psi	4.6 kg / cm ²
Puncture Resistance	ASTM C1136	85 beach units	2.5 Joules
Tensile Strength	ASTM C1136	55 lbs/inch width (MD)	9.6 kn / m (MD)
		50 lbs/inch width (XD)	8.8 kn / m (XD)
Caliper / Thickness	Micrometer	0.010 inch	254 micron
Accelerated Aging	30 Days @ 95% RH, 120°F (49°C)	No Corrosion No Delamination	No Corrosion No Delamination
Low Temperature Resistance	ASTM D1790 -40°F (-40°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	4 hours @ 240°F (116°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Water Immersion	24 hours @ 73°F (23°C)	No Delamination	No Delamination
Mold Resistance	ASTM C665 / C1338	No Growth	No Growth
Dimensional Stability	ASTM D1204	0.25%	0.25%
Emissivity	ASTM E408	0.03	0.03

Fire Testing	ASTM E84	
	Flame Spread	Smoke Developed
White Kraft Exposed	10	5

The physical (or chemical) properties of this product represent typical average values obtained in accordance with accepted test methods at the time of manufacture and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Weight/Thickness $\pm$ 10%.

For further questions regarding this facing, please contact Thermafiber, Inc. Technical Services Department at 1-888-834-2371.