

## FTTF-2222

An excellent vapor barrier & reflective insulation. It consists of 20u Foil / 25u PET film / 25u PET film / 20u Foil. Used as a jacketing over insulation board, segments, pipe sections, etc.

Primarily used in cold / cryogenic insulation systems, to prevent the ingress of moisture into the insulation.

FTTF-222 combines the excellent vapor barrier properties of aluminum with the outstanding mechanical and thermal characteristics of polyester film, giving a ideal, flexible and efficient barrier material, suitable for outdoor use.

### Facing Composition

Facing Composition	Description	Value (English)	Value (Metric)
Foil	Aluminum	0.8 mil	20 micron
Adhesive	Polyurethane	-----	-----
Film	Polyester	1.0 mil	25 micron
Adhesive	Polyurethane	-----	-----
Film	Polyester	1.0 mil	25 micron
Adhesive	Polyurethane	-----	-----
Foil	Aluminum	0.8 mil	20 micron

### Typical Physical Properties

Physical Properties	Test Method	Value (English)	Value (Metric)
Basis weight	Scale	36.8 lbs / 1000ft <sup>2</sup>	180gsm
Permeance (WVTR)	ASTM E96, Procedure A	0 perm	0 ng/N.s
Tensile Strength - MD	ASTM D828	75 lbs/In	300 N/25mm
Tensile Strength - XD	ASTM D828	75 lbs/In	300 N/25mm
Burst Strength	ASTM D774	504 psi	350 N/cm <sup>2</sup>
Low Temperature Resistance	ASTM D1790	Remains Flexible	Remains
	4 hrs @ -40 °F (- 40 °C)	No Delamination	No Delamination
High Temperature Resistance	ASTM D1790	Remains Flexible	Remains
	4 hrs @ +240 °F (+116 °C)	No Delamination	No Delamination
Dimensional Stability	ASTM D1204 @ 150F	Less than 0.5%	Less than 0.5%
Emissivity	ASTM E408	0.03	0.03