

FPT-712

A commercial grade Foil-Polyester Facing, mainly used for winding flexible pipe insulation

Facing Composition

Facing Composition	Description	Value (English)	Value (Metric)
Foil	Aluminum	0.28 mil	7 micron
Adhesive	PU Glue	-----	-----
Film	Polyester	0.48 mil	12 micron

Typical Physical Properties

Physical Properties	Test Method	Value (English)	Value (Metric)
Total Thickness	Micrometer	0.8 mil	20 micron
Permeance (WVTR)	ASTM E96, Procedure A	0.02 perm	1.15 ng/N.s
Tensile Strength - MD	ASTM D828	11.4 lbs/in	50 N/25mm
Tensile Strength - XD	ASTM D828	11.4 lbs/in	50 N/25mm
Burst Strength	ASTM D774	72 psi	50 N/cm2
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