

FSM-7112A

A commercial grade Foil-Scrim-MPET Facing with 3-way scrim, mainly used for winding flexible pipe insulation.

Facing Composition

Facing Composition	Description	Value (English)	Value (Metric)
Foil	Aluminum	0.28 mil	7 micron
Reinforcing - MD	Fiberglass	2 / inch	8 / 100mm
Reinforcing - XD	Fiberglass	3 / inch	12 / 100mm
Adhesive	Glue	-----	-----
MPET Film	Metallized Polyester	0.48 mil	12 micron

Typical Physical Properties

Physical Properties	Test Method	Value (English)	Value (Metric)
Basis Weight	Scale	8.2 lbs / 1000 ft ²	40 gsm
Permeance (WVTR)	ASTM E96, Procedure A	0.02 perm	1.15 ng/N.s
Tensile Strength - MD	ASTM D828	14.8 lbs/in	65 N/25mm
Tensile Strength - XD	ASTM D828	11.4 lbs/in	50 N/25mm
Burst Strength	ASTM D774	31.7 psi	22 N/cm ²
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