

FEM-711A

A commercial grade Foil-PE Mesh Facing, consists of 7u foil, reinforced with special 3-way polyethylene mesh, laminated by polyethylene. It mainly used for winding flexible duct, and also as a facing & vaporbarrier for glasswool / rockwool / foam duct wrap insulation.

Facing Composition

Facing Composition	Description	Value (English)	Value (Metric)
Foil	Aluminum	0.28 mil	7 micron
Adhesive	Polyethylene	10.2 lbs / 3000ft ²	17gsm
3-Way Reinforcing	Polyethylene	10.2 lbs / 3000ft ²	20gsm

Typical Physical Properties

Physical Properties	Test Method	Value (English)	Value (Metric)
Basis Weight	Scale	10.9 lbs / 1000 ft ²	54 gsm
Permeance (WVTR)	ASTM E96, Procedure A	0.02 perm	1.15 ng/N.s
Tensile Strength - MD	ASTM D828	12.7 lbs/in	56 N/25mm
Tensile Strength - XD	ASTM D828	15.9 lbs/in	70 N/25mm
Burst Strength	ASTM D774	43.2 psi	30 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