

ECTFE – Apertured HTAC™ Veil

General Description

The binder free HTAC apertured veil is produced by the meltblown process from an ECTFE (ethylene chlorotrifluoroethylene) fluoropolymer resin.

HTAC Veil offers very high chemical and abrasion resistance at high temperatures. It has excellent fire retardancy (flame spread index of 0 per ASTM E-84).

This ECTFE meltblown material reduces blistering in hot concentrated hydrochloric acid.

It has an apertured hole pattern – IPS 10 – Easier to inspect in a 100 mils FRP corrosion barrier.

Applications

Where FRP corrosion resistance against strong acids, sodium hydroxide, sodium hypochlorite and solvents is required. Extending the lifetime of the FRP equipment.

It is easy to laminate and wet-out and can be applied by both hand lay-up and roll/tape winding, in an ortho winding process.

The HTAC veil can also be used with two ECR mats, in a secondary FRP corrosion barrier applies behind a PVDF, ECTFE, ETFE, MFA, or FEP fluoropolymer liner, in a dual laminate construction.

HTAC VEIL	Basis Wt (gms/m ²) ASTM D3776	Basis Wt (oz/yd ²) ASTM D3776	Thickness (mm) ASTM-D1777	Thickness (mils) ASTM-D1777	Air Permeability (cfm@0.5" H ₂ O) ASTM D737	CD/MD Tensile (lbs/in) ASTM D5035	CD/MD Elongation (%) ASTM D5034
PD-9308 OSY 1.6	54.0	1.6	0.650	26.0	245	1.0 / 1.2	30/30
PD-9239 OSY 3.0	102.0	3.0	0.960	38.0	180	2.0 / 2.2	30/30

Rev: 20231205