



Flexible Insulation Varnished Glass Cloth

GENERAL

Varnished Glass Cloth is polyester coated, closed weave, glass fabric with 180°C thermal capability. It has good flexibility with exceptionally high tensile and tear strength.

THERMAL

Thermal aging tests conducted in accordance with both A.S.T.M. D-902 (Volatility Index of Coated Woven Glass Cloth) and A.S.T.M. D-1 830 (Curved Electrode Test) have proven that the cloth has a thermal endurance in excess of 50,000 hours at 180°C.

APPLICATIONS

Varnished Glass Cloth is recommended for a wide variety of uses in the motor and transformer industry including phase separators, slot liners, barrier and layer insulation, bus bar, and coil wrapping etc.

PROPERTIES

Property	VGC 05	VGC 07	VGC 10	VGC 10-1	VGC 15	VGC 25
Finished thickness (mm)	0.127	0.178	0.254	0.254	0.38	0.635
Approx. Weight, N / M ²	.926	.926	1.30	1.82	2.11	2.75
Tensile Strength, P.I.W.						
Warp	200	200	200	400	400	500
Fill	140	140	160	280	280	---
Elmendorf tear strength (gms.)						
Warp	400	400	400	1600	1600	1600+
Fill	250	300	300	800	800	---
Gurley Stiffness, milligrams						
Warp	245	165	220	515	2400	4500
Fill	125	105	110	345	1130	---
Dielectric strength, V/M						
6.4mm Short time	1600	1700	1700	1300	1100	800