



Manufacturer of
Engineered FRP Pultrusions

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Supersil CFM Pultrusions

Technical Data

Property	Test Method	Direction	Unit	Supersil CFM
Mechanical Coupon				
Ultimate Tensile Strength	ASTM D-638	Longitudinal	PSI	30,000
	ASTM D-638	Transverse	PSI	6,500
Ultimate Compressive Strength	ASTM D-695	Longitudinal	PSI	32,000
	ASTM D-695	Transverse	PSI	15,000
Ultimate Flexural Strength	ASTM D-790	Longitudinal	PSI	40,000
	ASTM D-790	Transverse	PSI	10,000
Impact Strength Izod	ASTM D-256	Longitudinal	Ft-lb/in	35
	ASTM D-256	Transverse	Ft-lb/in	4
Hardness - Barcol	ASTM D-2583	Perpendicular		40
Electrical				
Electric Strength Short Time (In Oil)	ASTM D-149	Perpendicular	Volts/mil	200
	ASTM D-149	Parallel	KV/in	35
Arc Resistance	ASTM D-495		Seconds	150
Other				
Thermal Coefficient of Expansion	ASTM D-696		in/in/°F	3×10^{-6}
Thermal Conductivity			BTU-in/hr/sq-ft/°F	4.0
Weight Loss	200 hrs @ 220°C		%	1.44
Approximate Temperature Class*				220 °C
UL Flammability Class KV	UL 94			HB
Specific Gravity	ASTM D-792			1.62
Density	ASTM D-782			0.060 - 0.068
Water Absorption 24 Hours	ASTM D-349	Longitudinal	%	0.3
Color (Standard)				Gray

Material Grade Guideline

Supersil CFM - NEMA GPO1 grade material for in-place temperatures up to 200°C (class H materials).

* Actual Classification depends on end use and location of the material in a complete system

The above data is based on results achieved in the test methods indicated and is provided for informational purposes only.