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ThermoStrong Product Announcement

Liberty Pultrusions is now manufacturing fiberglass reinforced polyurethane pultrusion. The ThermoStrong brand is ideal for a variety of applications, where rigid thermal performance is required. The PVC window manufacturing industry is one specific market segment that is utilizing ThermoStrong fiberglass pultrusions from Liberty Pultrusions. The PVC window manufacturers utilize ThermoStrong fiberglass window stiffeners due to their excellent thermal performance and outstanding strength. ThermoStrong fiberglass pultrusions offer approximately 700x the thermal performance of aluminum while maintaining similar strength characteristics. ThermoStrong Fiberglass pultrusions are quickly becoming the product of choice for PVC window manufacturers.

ThermoStrong fiberglass pultrusions manufactured by Liberty Pultrusions is an “Green Earth” product. The manufacturing process for this product contains no VOC’s (Volatile Organic Compounds) and HAPs (Hazardous Air Pollution), which provides added benefit of being Green Earth friendly. Even though ThermoStrong fiberglass pultrusions are earth friendly it still provides the highest strength to weight benefits of any pultruded product.

ThermoStrong fiberglass pultrusion can be used in any application where higher strength and UV stability is required. ThermoStrong fiberglass pultrusions by Liberty Pultrusions are stronger and more UV stable than traditional pultrusion made with Polyester and Vinyl Ester resins.

Mechanical Property Comparison			
	Polyester	Vinyl Ester	Polyurethane / Thermo Strong
Tensile Strength	Good	Better	Best
Tensile Modulus	Good	Better	Best
Compressive Modulus	Good	Better	Best
Compressive Strength	Good	Better	Best
Flexural Modulus	Good	Better	Best
Interlaminar Shear Strength	Good	Better	Best
Notched Izod Impact	Good	Better	Best
UV stability	Good	Good	Best

Liberty Pultrusions can produce ThermoStrong fiberglass reinforced polyurethane pultrusions in most any standard or custom shapes. Please contact sales for further details 412-466-8611 or dgriffith@libertypultrusions.com

Sincerely
 David M. Griffith
 President