

# Typical Properties of Braided Laminates

## ZERO™



PRODUCT CODE	0° Tensile Strength		Tensile Modulus	
	ksi	MPa	Msi	GPa
UNI-4.0SM	413	2848	20.2	139
UNI-9.0SM	413	2848	20.2	139

Nominal Vf=60.2%, Resin is E862 epoxy, all data ASTM D3039 testing done on tabbed coupons at room temperature with strain gages.

PRODUCT CODE	0° Tensile Strength		Tensile Modulus	
	ksi	MPa	Msi	GPa
UNI-4.3IM	472	3255	24	166

These values are theoretical. The test results found with UNI-4.0SM and UNI-9.0SM are the basis for these reported values.

## Bimax™



PRODUCT CODE	Longitudinal Strength		Transverse Strength	
	ksi	MPa	ksi	MPa
BIMAX Heavy	53	365	53	365

Nominal Vf=56.1%, Resin is E862 epoxy, all data ASTM D3039 and bow-tie coupon test done on untabbed coupons at room temperature with an extensometer.

## QISO™



PRODUCT CODE	Longitudinal Tensile Properties				Transverse Tensile Properties			
	Strength		Modulus		Strength		Modulus	
	ksi	MPa	Msi	GPa	ksi	MPa	Msi	GPa
QISO Heavy	117	800	6.9	47	116	800	6.3	44

Nominal Vf=56.1%, Resin is E862 epoxy, all data ASTM D3039 and bow-tie coupon test done on untabbed coupons at room temperature with an extensometer.

## Sharx™



	Longitudinal and Transverse Properties					
	Strength		Modulus		Shear Modulus	
	ksi	MPa	Msi	GPa	Msi	GPa
Carbon	35	241	3.47	24	5.17	35
Fiberglass	17	117	2.35	16	1.5	10

Nominal Vf=55%, Epoxy Resin

Note: The reported values are nominal laminate and can change due to a number of variables. This is offered for general information/convenience only. Actual results will vary based on individual specifications. Rely only on individual testing and not on the values reported in this property sheet. The provider shall not be liable for injury, loss or damage whether direct or consequential arising out of the use of the data provided herein.

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