

Technical Datasheet – HinLam Carbon Laminates

HinLam 50X1.4/100X1.4

Standard Modulus Carbon Fiber – Laminates



Applications	Properties
<ul style="list-style-type: none"> ✓ Infrastructure Repair ✓ Wind Energy ✓ Oil & Gas ✓ Other Structural applications 	<ul style="list-style-type: none"> ✓ High Strength & Stiffness ✓ Low Density ✓ Corrosion Resistant ✓ High Fiber volume Fractions

Hinlam laminates are characterized by high Tensile Modulus & high Tensile Strength. The strips are the pull formed epoxy – carbon composites that are used for strengthening of existing concrete structures by adhering them to a substrate by using an Epoxy Adhesive



Fiber Properties	
Density (g/cm ³)	1.8
Filament Diameter (µm)	7
Tensile Strength (MPa)	4200
Tensile Modulus (GPa)	242
Elongation (%)	1.8%
Sizing	Epoxy

Plates : Composite Properties	
Resin Type	Epoxy
Tensile Strength* (MPa)	≥ 1800
Tensile Modulus* (GPa)	≥ 145
Density (g/cm ³)	1.6
Elongation (%)	1.2%
Dimensions** (mm)	100X1.4, 50X1.4

*Typical Data based on mean values. **Custom Profiles available

Typical Packaging

Wound in to 100m coils, sealed in a polyethylene bag, firmly secured and placed in a cardboard box

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