



## Atlas™ HT

Atlas™ HT is a high strength, high stiffness carbon fiber solution for on-site repair of piping structures under high temperatures. Atlas™ HT is designed for repairs requiring strain reduction due to dynamic loading conditions.

### Applications

The Atlas™ HT system is most commonly used for pipelines and piping systems that have suffered from corrosion or third party damages. Possible defects that can be repaired include:

- External corrosion and pitting
- Dents, gouges and scratches
- Welds and other manufacturing flaws
- Wrinkle Bends
- Crack Reinforcement (conditional cases)

### BENEFITS:

- Site impregnated
- Resin part A and part B come to the field premeasured
- Structural fabric is impregnated in the field with conventional equipment
- Restores pipe to original strength
- Ideal application temperature ranges from 160°F to 250°F.
- Independently certified to ASME-PCC-2 and ISO 24817 standards



**MECHANICAL PROPERTIES**

**VALUES**

Maximum Operating Temperature	450°F
Hoop Modulus	11,800,000 psi
Hoop tensile strength	177,000 psi
Long term strength	123,900 psi
Hoop Ultimate Strain	1.50%
Poisson's ratio	0.310
Axial Modulus	3,400,000 psi
Axial Tensile Strength	27,800 psi
Axial Ultimate Strain	1.40%
Thermal Properties-min cure temp	160°F
Hoop CTE (in/in/°F)	5.00E-06
Axial CTE (in/in/°F)	1.50E-05
Tg	499°F
Ply thickness	0.015 in

**Warranty:** CSNRI routinely implements product improvements. Please contact your local distributor or office for the most current product specifications. CSNRI warrants the quality of this product when used according to directions.

