Transmission Pipeline Products

PIPESERV
PRODUCTS & PIPELINE SERVICES
info@pipeserv.com www.pipeserv.com
Australia - New Zealand - Papua New Guinea - Ph: +61 7 31616600

Family Brand	Product Name	Primary Use	Per Ply Thickness	Max Temperature	Fabric Description	Resin Description
Clock Spring®	Clock Spring	Metal loss and small deformations	0.075 in. (1.9 mm)	201°F (94°C)	Unidirectional (hoop) Fiberglass	Pre-cured Polyester
	Clock Spring HT			264°F (129°C)	Unidirectional (hoop) Fiberglass	High-temp pre-cured Vinyl Ester
	Snap Wrap	Metal loss and small deformations with limited thickness availability	0.075 in. (1.9 mm)	201°F (94°C)	Unidirectional (hoop) Fiberglass	Pre-cured Polyester
	Snap Wrap HT			264°F (129°C)	Unidirectional (hoop) Fiberglass	High-temp pre-cured Vinyl Ester
A+ Wrap™	A+ Wrap	Metal loss and small deformations including non-straight geometries	0.013 in. (0.33 mm)	194°F (90°C)	Bi-directional fiberglass	Moisture cured Polyurethane
Atlas™	Atlas	Large deformation and crack/crack-like features	0.017 in. (0.43 mm)	180°F (82°C)	Bi-directional carbon fiber	High-strength epoxy
	Atlas HT			450°F (232°C)	Bi-directional carbon fiber	High-temp epoxy
	Atlas UA	Axially dominated repairs	0.016 in. (0.41 mm)	180°F (82°C)	Unidirectional (axial) carbon fiber	High-strength epoxy
	Atlas UA HT			448°F (231°C)	Unidirectional (axial) carbon fiber	High-temp epoxy
Contour Apex™	Contour Apex	Metal loss and small deformations	0.042 in. (1.07 mm)	212°F (100°C)	Multidirectional Fiberglass	High-strength epoxy
SteelWrap®	SteelWrap	Extremely high hoop strain reduction required	0.031 in. (0.79 mm)	150°F (65°C)	Unidirectional (hoop) carbon fiber	High-modulus epoxy

Defect Type Overview	
Metal Loss:	Corrosion | Internal wall loss | Gouges | Minor manufacturing defects | Abrasion
Deformation:	Plain Dents | Dents on weld | Buckles | Ovality concerns | Wrinkle Bends (hoop)
Crack/Crack Like:	Seam-weld anomolies | SCC | Plain body cracks | Laminations | Severe manufacturing defects
Axial Dominated:	Girth weld anomolies | Geohazards | Bending loads | Thermal cycling | Wrinkle Bends (axial)

CSNRI®