maxcomp max 9182

Engineered composite repair and structural reinforcement system

max 9182 is an engineered composite repair and structural reinforcement system that complies with ASME PCC-2 and ISO 24817 standards for your applications on pressurized equipment and pipes with temperatures up to 130 °C (266 °F). The numerous technical certifications and ABS Type Approval of MAX9182 prove that it is subject to rigorous quality control.

Maximizing your benefits

Versatile composite repair
Used to repair and reinforce a variety of pipes and pressurized equipment

Certified by ASME PCC-2 and ISO 24817
It is a high-quality product that you can trust

Type Approved by ABS
Intense quality control and technical certifications

Easy to apply
Allowing repairs of different geometries

Maximizing your applications

- Structural reinforcement
- Concrete structures
- Metal structures
- Pressurized pipes
- Pressurized equipment
- Damages with loss of thickness
- Through-Wall damages
- Concrete structures
- Heat exchangers
- Flare Lines

SURFACE PREPARATION
Abrasive Blast ISO Sa 2½ or SSPC-SP 11 Level 1
Surface profile: 45 µm (minimum)

PACKING	
MAX 9182.02	2.0 kg
MAX 9182.05	4.5 kg
MAX 9182.08	3.5 kg

STORAGE	
Storage Temperature	18 to 25 °C
Shelf Life	2 years

DIMENSIONS (mm x mm x m)	
MAX 9182.02	4 x 50 x 20
MAX 9182.05	4 x 130 x 20
MAX 9182.08	2 x 200 x 20

TENSILE PROPERTIES (25 °C)	
Circumferential modulus of elasticity (0°)	26.3 GPa
Axial modulus of elasticity (90°)	15.6 GPa
Circumferential tensile strength limit (0°)	402 MPa
Axial tensile strength limit (90°)	102 MPa
Circumferential Fault Deformation	Greater than 1%
Axial Fault Deformation	Greater than 1%

PROPERTIES	
Shear module ASTM D5379	3.4 GPa
Hardness Shore D ASTM D2583	80
Glass transition temperature	176 °C
Short term lap shear ASTM D5868	7.4 MPa
Long term lap shear ASTM D5868	5.0 MPa
Compression module ASTM D6641	31 GPa
Impact Resistance ISO 24817/ASME PCC2	Approved with 10 layers
Energy release rate ISO 24817/ASME PCC2	132 J/m²
Short term survival test ISO 24817/ASME PCC2	Approved

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