



Advantages:

- Low pressure application
- Seamless construction
- Ready-to-install
- Suitable for storage
- Fast curing
- Smooth surface, suitable for all profiles
- Bridging of profile- and cross-section changes
- Chemical and abrasion resistant inner layer

Field of application:

Low pressure pipes
Test pressure $\leq 5\text{bar}$ (72.5 psi)
ID 150 (6") – ID 700 (28")



Technical data

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Reinforcement material:	Glass fabric E-CR according to DIN EN 14020-1, DIN EN 14020-2 und DIN EN 14020-3.
Resins:	
Unsaturated Polyester resins (UP-resins)	acc. to DIN 18820-1, table1, group 3, ISO-NPG acc. to DIN 16946-2, table 3, type 1140.
Short term flexural modulus (E-modulus) (DIN EN 1228)*:	$\geq 10,000 \text{ N/mm}^2$ ($\geq 1,450,000 \text{ psi}$)
Short term flexural E-modulus (DIN EN ISO 178)*:	$\geq 8,700 \text{ N/mm}^2$ ($\geq 1,261,800 \text{ psi}$)
Short term flexural strength (DIN EN ISO 178)*:	$\geq 150 \text{ N/mm}^2$ ($\geq 21,750 \text{ psi}$)
Reduction factor for long term values (DIN EN 761):	$A = 1.45$
Long term flexural modulus (E-modulus) (DIN EN 1228)*:	$\geq 6,800 \text{ N/mm}^2$ ($\geq 986,000 \text{ psi}$)
Long term flexural strength (DIN EN ISO 178)*:	$\geq 105 \text{ N/mm}^2$ ($\geq 15,230 \text{ psi}$)
Laminate design:	Multilayer, seamless and axially overlapping. Overlaps being arranged with offset.
Linear expansion during calibration:	$\sim 0.0\%$
Allowable variation of host pipes diameter:	$\text{DN} \leq 700: \pm 5\%$



* Structural laminate thickness DIN EN ISO 11296-4 (06/2010)