

## TECHNICAL SPECIFICATIONS

### PIPES

|                                    |   |                              |
|------------------------------------|---|------------------------------|
| Liner                              | : | 1,5 – 2,5 mm                 |
| Hoop Tensile Strength              | : | 300 N/mm <sup>2</sup>        |
| Longitudinal Tensile Strength      | : | 151 N/mm <sup>2</sup>        |
| Hoop Modulus of Elasticity         | : | 23,000 N/mm <sup>2</sup>     |
| Longitudinal Modulus of Elasticity | : | 11,470 N/mm <sup>2</sup>     |
| Elongation at Failure ( min )      | : | 0.008 mm/mm                  |
| Thermal Expansion                  | : | 20x10 <sup>-6</sup> mm/mm °C |
| Specific gravity                   | : | 1,8 kg/dm <sup>3</sup>       |

### FITTINGS

|                               |   |                              |
|-------------------------------|---|------------------------------|
| Liner                         | : | 1,5 – 2,5 mm                 |
| Hoop Tensile Strength         | : | 127 N/mm <sup>2</sup>        |
| Longitudinal Tensile Strength | : | 127 N/mm <sup>2</sup>        |
| Hoop Modulus of Elasticity    | : | 11,800 N/mm <sup>2</sup>     |
| Elongation at Failure ( min ) | : | 0.008 mm/mm                  |
| Thermal Expansion             | : | 23x10 <sup>-6</sup> mm/mm °C |
| Specific gravity              | : | 1,6 kg/dm <sup>3</sup>       |

### RESIN / FIBERGLASS RATIO

|          |   |                                 |
|----------|---|---------------------------------|
| Liner    | : | 60 - 80% resin, 40 – 20 % glass |
| Pipes    | : | 25 – 35% resin, 75 – 65% glass  |
| Fittings | : | max. 70% resin, min. 30 % glass |

**1992-2012 VENTI ANNI DI SOLUZIONI IN MATERIALE COMPOSITO**

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