

## Product specifications

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### MATERIAL PROPERTIES

#### Piping Material

The pipe is fabricated by pull winding method combining heavy axial and transverse E-glass reinforcement and vinylester in a continuous production process.

#### Piping Material Properties

<b>Axial Module of Elasticity (Gpa)</b>	26
<b>Flexural Module of Elasticity (Gpa)</b>	26
<b>Hoop Module of Elasticity (Gpa)</b>	23.5
<b>Axial Strength (Mpa)</b>	250
<b>Hoop Strength (Mpa)</b>	250
<b>Poisson Ratio (Hoop/Axial)</b>	0.13
<b>Thermal Expansion Coef. (m/m, C)</b>	$12 \cdot 10^{-6}$
<b>Glass Content by Weight</b>	75
<b>Glass Trans. Temp. Tg. (C)</b>	140

#### Fitting Material

The fittings are injection moulded using a short E-glass fibre and mineral filled phenolic (RX790) moulding compound. After moulding the fittings are post cured to relieve stresses.

#### Fitting Material Properties

<b>Flexural Module of Elasticity (Gpa)</b>	19
<b>Flexural Strength (Mpa)</b>	215
<b>Density (g/cm<sup>3</sup>)</b>	1.73
<b>Glass Trans. Temp. Tg. (C)</b>	160-200