

Technical data**Mechanical**

Tensile strength	31.75 tonnes/cm ²
Flexion strength	31.75 tonnes/cm ²
Compression strength	22.22 tonnes/cm ²
Modulus of elasticity	1.905 tonnes/cm ²
Water absorption (30 days at 20°C)	0.7%
Thermal stability	-30°C to +200°C

Electrical

Specific insulation resistance	0 - 12 Kv/mm
Surface resistance	10 ¹² ohms
Specific current flow resistance	10 ¹² ohms x cm
Resistance between two rungs (ladder with alloy rungs)	4 x 10 ¹¹ ohms

Chemical

The fibreglass extrusions are unaffected by most alkalis and acids (nitric and sulphuric acid up to 30% concentration).