

# ETFE tubing



*For applications requiring an excellent impact resistance and good resistance to stress cracking ETFE tubing is often used. Available in metric, inch and AWG sizes. Specific dimensions possible on request.*

*Standard delivery on production lengths. On request also available on straight lengths, cut lengths or (continuous) coils/spools.*

## Key properties of ETFE

- Strong mechanical properties
- Excellent impact resistance
- Good resistance to stress cracking
- Working temperature from -200°C to +150°C
- Good permeability

	Property	Specification	Unit	Value
General	Continuous working temp.	Maximum	°C	150
	Chemical resistance		-	Excellent
	Specific gravity	D 792	g/cm <sup>3</sup>	1.73
Electrical	Dielectric constant	D 150 at 10 <sup>3</sup> Hz	-	2.6
		D 150 at 10 <sup>6</sup> Hz	-	2.6
	Dielectric dissipation factor	D 150 at 10 <sup>3</sup> Hz	-	0.0008
		D 150 at 10 <sup>6</sup> Hz	-	0.005
	Dielectric strength	D 149	kV/mm	40
	Volume resistivity	D 257	Ohm·cm	>10 <sup>16</sup>
Mechanical	Tensile strength	D 1708, D 638	Mpa	45
	Elongation	D 1708, D 638	%	200
	Compressive strength	D 695	Mpa	48
	Impact strength	D 256 bij +23°C	J/m	No break
	Flexural Modulus	D 790 bij +23°C	Mpa	1380
	Tensile Modulus	D 638	Mpa	830
	Hardness	D 2240	-	63-75
Thermal	Melting (gel)point		°C	260
	Thermal conductivity	+23°C	W/Kg.m	0.24
	HDT	DIN 75	°C	
	method A			104
	method B			71

\* Actual properties may change due to processing method, compound type, extruded dimensions and other variables. It is the user's responsibility to evaluate and fully test the suitability of the product for their specific application.