

THV tubing



THV is a thermoplastic elastomer. Dimensions and designs on request.

Key properties of THV

- Excellent optical clarity
- Very good flexibility
- Low moist absorption
- Low permeability for fuels and other chemicals
- Chemical resistance against most common solvents
- Working temperature from -35°C to +120°C, depending on type

	Property	Specification	Unit	Value
General	Continuous working temp.	Maximum	°C	70-120
	Chemical resistance		-	Good
	Specific gravity	D 792	g/cm ³	1.97
Electrical	Dielectric constant	D 150 at 10 ³ Hz	-	3.5
		D 150 at 10 ⁶ Hz	-	4.2
	Dielectric dissipation factor	D 150 at 10 ³ Hz	-	0.12
		D 150 at 10 ⁶ Hz	-	0.17
	Dielectric strength	D 149	kV/mm	48-62
	Volume resistivity	D 257	Ohm·cm	>10 ¹⁵
Mechanical	Tensile strength	D 1708, D 638	Mpa	31
	Elongation	D 1708, D 638	%	500
	Compressive strength	D 695	Mpa	12
	Impact strength	D 256 bij +23°C	J/m	No break
	Flexural Modulus	D 790 bij +23°C	Mpa	1240
	Tensile Modulus	D 638	Mpa	200
	Hardness	D 2240	-	45
Thermal	Melting (gel)point		°C	125–185
	Thermal conductivity	+23°C	W/Kg.m	1.4
	HDT	DIN 75	°C	
	method A			31-37
	method B			28-32

* 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.