

GTAS

Thick wall heat shrink tubing sealant coated

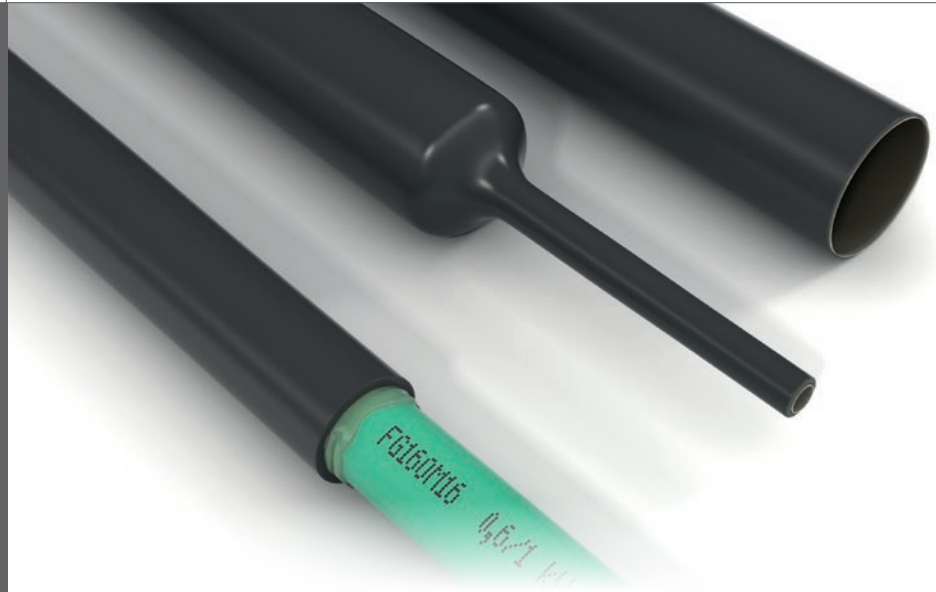
4:1 cross-linked polyolefin - 1 meter bars

HEAT-SHRINK
TUBING



Hot melt sealant

GTAS tubings are internally coated with hot melt sealant, which ensures effective moisture sealing even in presence of irregular shapes and surfaces



APPLICATIONS

- Electrical insulation of low voltage conductors, cables and accessories up to 0.6/1 kV
- Sealing and mechanical protection against corrosion on low, medium and high voltage cables, accessories and components
- Reliable in harsh climatic conditions and in polluted environments
- Continuous immersion installations
- Suitable for marine, offshore and shipbuilding applications

FEATURES

- Thick wall cross-linked polyolefin with high electrical performance and mechanical strength
- With hot melt sealant
- UV-stabilized against irradiation and weathering
- Carbon black additivated
- Halogen-, silicone-, lead- and aluminium-free
- Non-toxic, non-corrosive
- Black
- Unlimited shelf life

Operating temperature
-40 °C / +100 °C

Shrink temperature
> 120 °C

Low temperature flexibility
(ASTM D 2671 procedure C)
No cracking after 4 hours at -40°C

Dielectric strength (IEC 60243)
≥ 10 kV/mm (min)

Volume resistivity (IEC 60093)
1×10¹⁰ Ω·cm (min)

Dielectric constant (IEC 60250)
5.0 (max)

Density (ISO 1183 method A)
0.8–1.0 g/cm³

Hardness (ISO 868)
≥ 45 shore D

Longitudinal shrink after free recovery
≤ -10%

Tensile strength (ISO37)
12 MPa (min)

Elongation (ISO 37)
350 % (min)

Water absorption (ISO 62 method 1)
≤ 0.25% (max) after 14 days at 23 °C

Accelerated ageing (ISO 188)
(7 days at 150 °C)

Tensile strength (ISO37)
12 MPa (min)

Elongation (ISO 37)
350 % (min)



Shrink ratio




Compliant to Directive
EU 2015/863 (RoHS 3)



Halogen free

GTAS

Thick wall heat shrink tubing sealant coated 4:1 cross-linked polyolefin - 1 meter bars

4:1	ref.	item	D/d (mm)	bar length (m)	thickness		cable diameter range (mm)	pack. (pcs)	min./ mult. ord. qty (pcs)
					T (mm)	t (mm)			
	GT40009	GTAS-12/3-1000/S	12/3	1.0	0.7	2.0	3.5 – 10	10	10
	GT40013	GTAS-16/4-1000/S	16/4	1.0	0.8	2.4	4.5 – 14	10	10
	GT40020	GTAS-24/6-1000/S	24/6	1.0	0.8	2.7	6.5 – 22	10	10
	GT40033	GTAS-34/8-1000/S	34/8	1.0	1.2	4.0	9 – 31	10	10
	GT40043	GTAS-48/12-1000/S	48/12	1.0	1.3	4.5	13 – 44	5	5
	GT40051	GTAS-56/16-1000/S	56/16	1.0	1.0	4.4	17.5 – 50	5	5
	GT40070	GTAS-70/20-1000/S	70/20	1.0	1.0	4.4	22 – 63	5	5
	GT40085	GTAS-90/25-1000/S	90/25	1.0	1.0	4.3	27 – 81	1	1
	GT40105	GTAS-110/30-1000/S	110/30	1.0	1.0	4.3	33 – 100	1	1
	GT40130	GTAS-130/35-1000/S	130/35	1.0	1.0	4.3	38 – 118	1	1
	GT40160	GTAS-160/50-1000/S	160/50	1.0	1.0	4.3	55 – 144	1	1
	GT40180	GTAS-180/50-1000/S	180/50	1.0	1.0	4.3	55 – 162	1	1

HEAT-SHRINK
TUBING



- D** Supplied diameter (before shrinkage)
- T** Thickness before shrinkage
- d** Recovered diameter (after free shrinkage)
- t** Recovered thickness (after free shrinkage)