



## AKY-175

Special heat shrink tubing / Kynar® / 175 degrees / 2:1

### Features:

- Crosslinked PVDF • Shrink ratio: 2:1 • Superior mechanical and abrasion resistance
- Highly flame retardant • High temperature resistance
- Excellent chemical and solvent resistance

### Approvals:

- Meets: UL, VW-1, File No E196685. Meet: SAE-AMS-DTL-23053/ 18. RoHS

### Application:

- Operating temperature: -55 °C to +175 °C • Minimum shrink temperature: +175 °C
- Longitudinal change: 0 ± 10% max.

### Order information:

- Color: transparent (black available on request)



Ideal for applications that require high temperature performance, outstanding abrasion and cut-through resistance or superior chemical and solvent resistance properties.

Type / Size	As supplied: inside diameter in mm (min.)	After recovery: inside diameter in mm (max.)	After recovery: wall thickness in mm (min.)	Reel / Length
AKY-175 1,2/0,6	1,2	0,6	0,20	150m / 1,22m
AKY-175 1,6/0,8	1,6	0,8	0,20	150m / 1,22m
AKY-175 2,4/1,2	2,4	1,2	0,23	150m / 1,22m
AKY-175 3,2/1,6	3,2	1,6	0,23	150m / 1,22m
AKY-175 4,8/2,4	4,8	2,4	0,23	75m / 1,22m
AKY-175 6,4/3,2	6,4	3,2	0,28	75m / 1,22m
AKY-175 9,5/4,8	9,5	4,8	0,28	1,22m
AKY-175 12,7/6,4	12,7	6,4	0,28	1,22m
AKY-175 19,1/9,5	19,1	9,5	0,36	1,22m
AKY-175 25,4/12,7	25,4	12,7	0,41	1,22m

Tensile Strength	IEC 60684-2 Clause 19.1 and 19.2	35 MPa minimum
Ultimate Elongation	IEC 60684-2 Clause 19.1 and 19.2	150% minimum
Heat Shock	IEC 60684-2 Clause 6 (4hrs at 300°C) or flowing	no dripping, cracking
Heat Ageing	IEC 60684-2 Clause 39	(168hrs at 200°C)
Tensile Strength	Clause 19.1 and 19.2	15 MPa minimum
Ultimate Elongation	Clause 19.1 and 19.2	75% minimum
Electric Strength		30KV/mm minimum
Corrosion (Copper Mirror)	IEC 60684-2 Clause 33	no corrosion
Water Absorption	IEC 60684-2 Clause 40	0.5% maximum
Resistance to Selected Fluids	IEC 60684-2 Clause 36	excellent (for list of fluids and test temperatures see ST 6009)
Tensile Strength	Clause 19.1 and 19.2	25 MPa minimum
Ultimate Elongation		150% minimum
Fungus Resistance	ISO 846 Method B	
Tensile Strength	IEC 60684-2 Clause 19.1 / 19.2	35 MPa minimum
Ultimate Elongation		150% minimum

We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. BOXCO shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.