



Single Wall Products

S5 PVDF Heat Shrinkable Tubing

Voltage Class 1kV Ideal for applications requiring protection and see-through inspection



Semi-rigid high abrasion resistant anti-corrosion Heat Shrinkable tubing. Ideal for use in electronic, automotive, aerospace, military or other applications where protection and ability to be able to see-through inspection are required

Applications

- In welding point, electrical wiring, wire terminals, joints, splice, connection and point of soldering

Features/Benefits

- Shrink Ratio: 2:1
- Semi-rigid
- Highly resistant to abrasion, mechanical damage & cut-through
- Excellent chemical and solvent resistance
- Flame retardant
- High temperature resistant (up to 175 °C)

Temperature Range

Operating Temperature :

-55 °C ~ 175 °C

Shrink Temperature :

175 °C

Colour

Black,Transparent

Product Code Cross References

Raychem	: RW-175 / Kynar
DSG Canusa	: CKN-175 / DERAY-KY175
Sumitomo	: K
LG	: GSHS-1675

Technical Details

Test Item		Test Method	Typical Value
Performance temperature range		IEC 216	-55°C to 175°C
Before aging	Tensile strength	ASTM D638	Min. 35MPa
	Break down elongation	ASTM D638	Min. 150%
After aging	Tensile strength	180°C/168h	No lower than 70% before aging
	Break down elongation		
Distortion		150°C/h	Max. 50%
Heat resistance		300°C/h	No cracking
Low temperature resistance		-55°C/4h	No cracking
Elasticity		180°C/168h	No cracking
Incision modulus		--	Min. 84.4MPa
Dielectric strength		ASTM D2671	Min. 25kV/mm
Volume Resistivity		ASTM D876	Min. 10 ¹³ Ω.cm
Copper corrosion		180°C/168h	No Corrosion
Copper stability		180°C/168h	Stable
Flame retardant		VW-1	Pass

Product Selection(S5 with Shrink Ratio 2:1)

Product Code	Min. wall thickness after free recovery(mm)	Standard Package (m/roll)
S5-Φ1.2	0.20	200
S5-Φ1.6	0.20	100
S5-Φ2.4	0.23	100
S5-Φ3.2	0.23	100
S5-Φ4.8	0.23	1.22
S5-Φ6.4	0.28	1.22
S5-Φ9.5	0.28	1.22
S5-Φ12.7	0.28	1.22
S5-Φ19.1	0.36	1.22
S5-Φ25.4	0.41	1.22

ID: Internal Diameter

Ordering

When ordering this product, please specify 1) Product code 2) Colour 3) Quantity Required in number of rolls