

TECHNICAL TUBING AND SLEEVING

HEAT SHRINK TUBING



This double-walled polyolefin heat-shrink tubing with integrated inner adhesive offers excellent protection for cables, wires and connections. It is UL-224 certified and meets the highest safety standards. The heat-shrink tubing is particularly suitable for the use in the electrical industry, the automotive sector and many other areas of application.

Polyolefin Double Wall Heat Shrink Tubing, SSPODW3S / SSPODW4S, Rates 3:1 And 4:1

Technical features:

Material: polyolefin, double-walled

Shrink ratio: 3:1 and 4:1

Operating temperature: -55 °C to 110 °C

Shrink temperature: > 100 °C

Adhesive: hot-melt adhesive, which ensures a good bond between the materials

Application: for moisture-proof sheathing of cable connections to plugs

	Test	Values
Tensile strength	ISO 37	> 9 MPa
Elongation at break	ISO 37	> 300%
Specific weight	ISO 1183	< 1,25
Adhesive for the inner wall Tube to tube, Tube to aluminum	Heel 3.6	> 150 N/25 mm 60 N/25 mm
Thermal shock	ASTM D2671 (4 h at 225°C)	no dripping, cracking or flowing of the outer wall
Heat ageing	ISO 188 (168 h at 150 °C)	No dripping, cracking or flowing of the outer wall
Flexibility at low temperature	ASTM D2671 (4h at -55°C)	no breaking
Flammability (exterior wall only)	ASTM 876	passed
Dielectric strength	IEC 243-1	> 12 kV/mm

	Test	Values
Corrosion resistance (copper level)	ASTM D2671 (16h at 15 °C)	no corrosion
Water absorption	ISO 62	< 0.5%
Resistance to liquids Diesel, petrol, kerosene > Lubricating oils > Hydraulic oils > Tensile strength > Elongation at break	ISO 1817 ISO 37	7 MPa > 300%
Resistance to fungi	ISO 846	

Approvals

Military	UL	CSA
MIL-DTL 23053/4	UL 224 600 V, 125 °C	LR 31929 600 V, 125 °C

Dimensions

Shrinkage rate 3 : 1

Master number	min. diameter	max. diameter shrunk	Wall thickness after shrinkage	Length
	[mm]	[mm]	[mm]	[m]
SSPODW3S030	3,0	1,0	0,96	1,2
SSPODW3S045	4,5	1,5	1,09	1,2
SSPODW3S060	6,0	2,0	1,14	1,2
SSPODW3S090	9,0	3,0	1,39	1,2
SSPODW3S120	12,0	4,0	1,75	1,2
SSPODW3S190	19,0	6,0	2,20	1,2
SSPODW3S240	24,0	8,0	2,54	1,2
SSPODW3S400	40,0	13,0	2,54	1,2

Shrinkage rate 4 : 1

Master number	min. diameter	max. diameter shrunk	Wall thickness after shrinkage	Length
	[mm]	[mm]	[mm]	[m]
SSPODW4S040	4,0	1,0	1,00	1,2
SSPODW4S080	8,0	2,0	1,00	1,2
SSPODW4S120	12,0	3,0	1,40	1,2
SSPODW4S160	16,0	4,0	1,80	1,2
SSPODW4S240	24,0	6,0	2,25	1,2
SSPODW4S320	32,0	8,0	2,55	1,2
SSPODW4S520	52,0	13,0	2,55	1,2

Standard colors:

black (bw), transparent (tr)