

TECHNICAL TUBING AND SLEEVING

HEAT SHRINK TUBING



This flexible polyolefin heat-shrink tubing is a standard product with good chemical and physical properties and is mainly used in cable assemblies for protection, colour coding or, when printed, as cable identification sleeves.

Polyolefin Heat Shrink Tubing, Type SSPO and SSPOUL

Technical features:

Material: Polyolefin

Shrink rate: 2 : 1

Operating temperature: - 55°C to 135°C

Shrink temperature: >100°C

Burning behavior: flame-retardant

	Test	Values
Tensile strength	ISO 37	> 10 MPa
Elongation at break	ISO 37	> 250%
Specific weight	ISO 1183	< 1,4
Thermal shock	ASTM D2671 (4 h at 250°C)	no dripping, no breaking or flowing
Heat aging	ISO 188 (168 h at 170°C)	
Elongation at break	ISO 37	>150%
Flexibility at low temperatures	ASTM D2671 (4 h at -55 °C)	no breaking
Flammability (exception transparent)	ASTM D2671	passed
Dielectric strength	IEC 243-1	> 20kV/mm
Corrosion (copper contact and copper level)	ASTM D2671	no corrosion
Water absorption	ISO 62	< 0.5%

Dimensions:

Type SSPO		Type SSPOUL	min. diameter		max. diameter shrunk		Wall thickness after shrinkage		Roll length
with UL recognition		with UL/CSA imprint	[mm]	[inches]	[mm]	[inches]	[mm]	[inches]	[m]
Master number		Master number							
SSPO3/64"	◆	SSPOUL3/64"	1,2	0.046	0,6	0.023	0,45	0.018	150
SSPO1/16"	◆	SSPOUL1/16"	1,6	0.063	0,8	0.031	0,45	0.018	150
SSPO3/32"	◆	SSPOUL3/32"	2,4	0.093	1,2	0.046	0,50	0.019	150
SSPO1/8"	◆	SSPOUL1/8"	3,2	0.125	1,6	0.062	0,50	0.019	150
SSPO3/16"	◆	SSPOUL3/16"	4,8	0.187	2,4	0.093	0,50	0.026	150
SSPO1/4"	◆	SSPOUL1/4"	6,4	0.250	3,2	0.125	0,65	0.026	75
SSPO3/8"	◆	SSPOUL3/8"	9,5	0.375	4,8	0.187	0,65	0.026	75
SSPO1/2"	◆	SSPOUL1/2"	12,7	0.500	6,4	0.250	0,65	0.029	75
SSPO3/4"	◆	SSPOUL3/4"	19,1	0.750	9,5	0.375	0,75	0.035	60
SSPO1"	◆	SSPOUL1"	25,4	1.000	12,7	0.500	0,90	0.039	60
SSPO1-1/2"		SSPOUL1-1/2"	38,1	1.500	19,1	0.750	0,95	0.039	30
SSPO2"		SSPOUL2"	50,8	2.000	25,4	2.000	1,00	0.045	30
SSPO3"		SSPOUL3"	76,2	3.000	38,1	3.000	1,25	0.049	30
SSPO4"		SSPOUL4"	101,6	4.000	50,8	4.000	1,40	0.055	30

Colors:

black (sw), blue (bl), yellow (ge), red (rt), white (ws), green (gn), violet (vi), brown (bn), green-yellow (gnge), transparent (tr)