

TECHNICAL TUBING AND SLEEVING

HEAT SHRINK TUBING



This flexible and halogen-free polyolefin heat-shrink tubing is a flame-retardant version with good chemical and physical properties and low smoke emission.

Polyolefin Heat Shrink Tubing, Type SSPOZHFR, Flame Retardant

Technical features:

Material: Polyolefin, flame-retardant, halogen-free

Shrink rate: 2 : 1

Operating temperature: -55 °C to 125 °C

Shrink temperature: 100 °C

Application: Heat Shrink Tubing with low smoke emission

	Test	Values
Tensile strength	ISO 37	> 7 MPa
Elongation at break	ISO 37	> 200 %
Specific weight	ISO 1183	< 1,35
Thermal shock	ASTM D2671 (4 h at 175°C)	no dripping, cracking or flowing
Heat aging	ISO 188 (168 h at 135 °C)	no cracking
Flexibility at low temperature	ASTM D2671 (4h at -35°C)	no tearing
Flammability	ASTM 876	passed
Dielectric strength	IEC 243-1	> 15 kV/mm
Corrosion resistance (copper level)	ASTM D2671	no corrosion
Water absorption	ISO 62	< 0.5%
Resistance to liquids > Diesel, Gasoline, Kerosene > Lubricating oils > Hydraulic oils > Tensile strength > Tear elongation	ISO 1817 ISO 37	4 MPa > 100%
Oxygen index at ambient temperature	ISO 4589-2	< 32
Smoke index	IEC 60684-2	< 20

	Test	Values
Toxicity index	IEC 60684-2	< 5 per100 g
Resistance to fungi	IEC 68-2-10	< 2
Approvals		
Military	UL	BS
DEF Standard 59-97		BS4G-198 Pt.3 Type 15

Dimensions

Shrinkage rate 2 : 1

Item number	min. diameter		max. diameter shrunk		Wall thickness after shrinkage		Length on spool	
	[mm]	[inches]	[mm]	[inches]	[mm]	[inches]	[m]	[inches]
SSPOZHFR3/64"	1,2	0.023	0,6	0.023	0,40	0.016	150	500
SSPOZHFR1/16"	1,6	0.031	0,8	0.031	0,43	0.017	150	500
SSPOZHFR3/32"	2,4	0.046	1,2	0.046	0,51	0.020	150	500
SSPOZHFR1/8"	3,2	0.062	1,6	0.062	0,51	0.020	150	500
SSPOZHFR3/16"	4,8	0.093	2,4	0.093	0,51	0.020	75	500
SSPOZHFR1/4"	6,4	0.125	3,2	0.125	0,64	0.025	75	250
SSPOZHFR3/8"	9,5	0.187	4,8	0.187	0,64	0.025	75	250
SSPOZHFR1/2"	12,7	0.250	6,4	0.250	0,64	0.029	75	250
SSPOZHFR3/4"	19,1	0.375	9,5	0.375	0,76	0.030	60	200
SSPOZHFR1"	25,4	0.500	12,7	0.500	0,89	0.035	60	200

Standard color:

black (bw), other colors on request