Heat shrinkable, polyolefin, high flexible tubing with adhesive shrink ratio 3:1 and 4:1

Application

Tubes are recommended for the protection of auto wires, bundle wires and metal tubes against water and moisture. Designed to provide both insulation and sealing.

Properties

Production by dual extrusion of polyolefin and hot melt adhesive.
Operating temperature: from -45 °C up to +125 °C.
Minimum shrink temperature: 80 °C.
Standard colour: black.
Nonstandard colors: red, blue, yellow.
Self extinguishing (except clear).



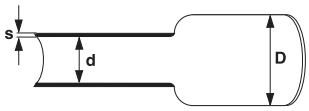
Heat shrinkable, polyolefin, high flexible tubing with adhesive shrink ratio 3:1 - RC3K

New

Product		Dimensions [mm]			Thickness of adhesive after shrinking [mm]	Packing	Standard length of spool
Name	Code number	D	d	s		[pcs]	[m]
RC3K 3 / 0,6	0-12-3-06	3,0	0,6	1,0	0,50	20	200
RC3K 4,8 / 1,5	0-12-48-15	4,8	1,5	1,1	0,50	20	100
RC3K 6 / 2	0-12-6-2	6,0	2,0	1,2	0,50	20	100
RC3K 9 / 3	0-12-9-3	9,0	3,0	1,3	0,60	20	50
RC3K 12 / 4	0-12-12-4	12,0	4,0	1,7	0,80	20	25
RC3K 19 / 6	0-12-19-6	19,0	6,0	2,0	0,80	20	25
RC3K 24 / 8	0-12-24-8	24,0	8,0	2,2	1,05	20	25
RC3K 30 / 10	0-12-30-10	30,0	10,0	2,4	1,05	20	25
RC3K 40 / 13	0-12-40-13	40,0	13,0	2,5	1,05	20	25
RC3K 50 / 19	0-12-50-19	50,0	19,0	2,5	1,05	20	25

Heat shrinkable, polyolefin, high flexible tubing with adhesive shrink ratio 4:1 - RC4K

New



D - min. inside diameter expanded as supplied

d - max. inside diameter recovered after heating

s - wall thickness recovered after heating

Product		Dimensions [mm]			Thickness of adhesive after shrinking [mm]	Packing	Standard length of spool
Name	Code number	D	d	s		[pcs]	[m]
RC4K 4 / 1	0-13-4-1	4	1,00	1,00	0,50	20	100
RC4K 6 / 1,27	0-13-6-127	6	1,27	1,20	0,60	20	100
RC4K 8 / 1,65	0-13-8-165	8	1,65	1,55	0,75	20	50
RC4K 12 / 2,41	0-13-12-241	12	2,41	1,95	1,00	20	25
RC4K 16 / 4	0-13-16-4	16	4,00	2,10	1,05	20	25
RC4K 18 / 4,45	0-13-18-445	18	4,45	2,40	1,20	20	25
RC4K 24 / 6	0-13-24-6	24	6,00	2,50	1,25	20	25
RC4K 32 / 8	0-13-32-8	32	8,00	2,50	1,25	20	25

Properties	Test Method	Typical Data
Tensile strengthour	ASTM D 2671	Minimum 10,4 MPa
Tensile strength after aging (+158 °C, 168 hrs.)	ASTM D 2671	Remains 70%
Ultimate elongation	ASTM D 2671	Minimum 200%
Longitudinal shrinkage	UL 224	0 -10%
Heat shock	250 °C / 4 hrs.	No cracking
Cold bend test (-30 °C, 1 h)	ASTM D 2671	No cracking
Voltage withstand AC (2500 V, 60 sec.)	ASTM D 2671	No breakdown
Volume resistivity	ASTM D 876	Minimum 10^{14} Ωcm
Combustibility test	SAE-AMS-DTL-23053/5	Self extinguishing in 30 sec.
Copper corrosion (+158 °C, 168 hrs.)	UL 224	No corrosion
Water absorption	ASTM D 570	< 0,5%

Heat shrinkable, halogen free tubing with very low shrink temperature, minimum 65 °C

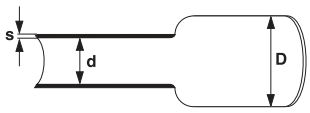


Application

Suitable for applications where heat sensitive components e.g. PVC jacketed wire and cable and quick shrinking is required. The flammability of tubing meets the MVSS 302 standard about automotive flame propagation (self extinguishing tubing). The specially designed halogen free formulation makes the tubing very flexible and shrinking at lower temperature. Although very flexible, the tubing has good mechanical and electrical performance.

Properties

Tubing is made of modified radiation cross-linked polyolefin.
Shrink ratio 2:1.
Operating temperature: from -45 °C up to +125 °C.
Minimum shrink temperature: +65 °C.
Standard colour: black.



D - min. inside diameter expanded as supplied

d - max. inside diameter recovered after heating

s - wall thickness recovered after heating

Heat shrinkable, halogen free tubing with very low shrink temperature, minimum 65 °C - RLT

New

Product Name	Code number	Dimensions [mm] D	d	s	Packing [pcs]	Standard length of spool [m]
RLT 3,2 / 1,6	0-14-32-16	3,2	1,6	0,5	100	200
RLT 4,8 / 2,4	0-14-48-24	4,8	2,4	0,5	100	200
RLT 6,4 / 3,2	0-14-64-32	6,4	3,2	0,6	100	100
RLT 9,5 / 4,8	0-14-95-48	9,5	4,8	0,6	100	50
RLT 12,7 / 6,4	0-14-127-64	12,7	6,4	0,6	100	50
RLT 19,1 / 9,5	0-14-191-95	19,1	9,5	0,8	50	50
RLT 25,4 / 12,7	0-14-254-127	25,4	12,7	0,9	50	50

Properties	Test Method	Typical Data
Tensile strengthour	ASTM D 2671	15 MPa
Ultimate elongation	ASTM D 2671	450%
Tensile strength after aging (+158 °C, 168 hrs.)	ASTM D 2671	11 MPA
Elongation after aging (+175 °C, 168 hrs.)	ASTM D 2671	350%
Longitudinal shrinkage	UL 224	0 ±5%
Heat shock (+200 °C, 4 hrs.)	ASTM D 2671	No cracking
Cold bend test (-55 °C, 4 hrs.)	ASTM D 2671	No cracking
Copper corrosion	UL 224	No corrosion
Combustibility test	MVSS 302	Pass
Fluid resistance (+23°C, 24 hrs.)	ISO 37	200%
Tensile strength elongation		15 MPA