

DATASHEET

Heat shrink tubing set 2:1 + 3:1 (190 pcs)

Item No. 3347205

Overview



Features

a) G5 flame-retardant polyolefin tubing

- Shrink ratio: 2:1
- Very flexible, high flame retardant
- Resistant to common solvent liquid
- Excellent physical, chemical and electrical performance
- Compliance with RoHS

b) AIS dual wall polyolefin tubing

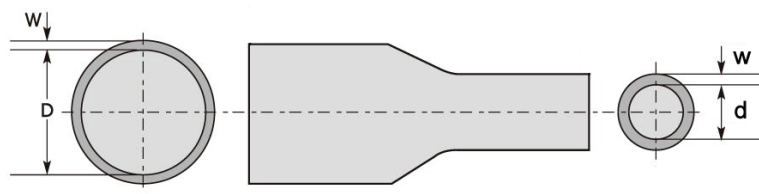
- Shrink ratio: 3:1
- Excellent waterproof performance
- Flexible, high flame retardant
- Excellent physical, chemical and electrical performance
- EVA and high melting temperature polyamide (PA) holt melt adhesive are selectable based on your applications
- Compliance with RoHS and REACH environmental regulations

Technical data

a) Product dimensions

G5 flame-retardant polyolefin tubing							
Size (mm)	Color	Length (mm)	Quantity (pcs)	As supplier (mm)		After received (mm)	
				I.D. (D)	W.T. (W)	I.D. (max) (d)	W.T. (max) (w)
3.0	Red	102	45	3.5 ± 0.3	0.25 ± 0.05	1.5	0.42
4.5	Yellow	102	25	5.0 ± 0.3	0.25 ± 0.05	2.25	0.42
6.0	Blue	102	20	6.5 ± 0.3	0.28 ± 0.05	3.0	0.52
9.0	Green	102	10	9.6 ± 0.3	0.30 ± 0.07	4.5	0.56
12.0	White	102	10	12.7 ± 0.4	0.30 ± 0.07	6.0	0.56
18.0	Black	102	10	19.0 ± 0.5	0.40 ± 0.10	9.0	0.77

AIS dual wall polyolefin tubing								
Size (mm)	Color	Length (mm)	Quantity (pcs)	As supplier (mm)		After received (mm)		
				I.D. (D)	W.T. (W)	I.D. (max)	W.T. (Tubing + Hot melt adhesives)	Adhesive thickness (mm)
3.2	Black	51	25	3.2	0.45	1.0	1.00 ± 0.28	0.45 ± 0.15
4.8	Black	51	20	4.8	0.45	1.6	1.00 ± 0.28	0.50 ± 0.15
6.4	Black	51	15	6.4	0.50	2.0	1.00 ± 0.28	0.50 ± 0.15
12.7	Black	51	5	12.7	0.65	4.0	1.78 ± 0.38	0.76 ± 0.20
19.1	Black	51	3	19.1	0.70	6.0	2.25 ± 0.55	0.76 ± 0.20
25.4	Black	51	2	25.4	0.80	8.0	2.54 ± 0.55	1.00 ± 0.25



b) Applications

Property	Specification Requirement	Test Method	Typical Value
Longitudinal change	-15 % ~ 15 %	ASTM D2671	Pass
Tensile strength	≥10.3 MPa	ASTM D2671	≥12 MPa
Elongation at break	≥200 %	ASTM D2671	≥400 %
Tensile strength after aging	70 % of initial value	ASTM D2671 (158°C/ 168 hrs)	≥90 %
Elongation at break after aging	≥100 %	ASTM D2671 (158°C/ 168 hrs)	≥300 %
Heat shock	No cracking	ASTM D2671 (200°C/ 4 hrs)	No cracking
Low temperature flexibility	No cracking	ASTM D2671 (-30°C/ 1 hr)	No cracking
Dielectric voltage withstand	AC2500V/60S No breakdown	ASTM D2671	No breakdown
Volume resistivity	≥10 ¹⁴ Ω * cm	ASTM D2671	≥10 ¹⁴ Ω * cm
Copper corrosion	No corrosion	ASTM D2671 (158°C/ 168 hrs)	No corrosion
Flammability	VW-1	UL224	Pass
Hot melt adhesive	Yes	Yes	Yes
Property	Test method	Typical value	Typical value
Softening point	ASTM E28	90°C	90°C

c) Other

Continuous operating temperature-45°C~110°C

Minimum shrink temperature80°C

Full recovery temperature.....Above 110°C

Temperature withstands of outer tube125°C

Comply withUL224 / E255532