

S901 Flame Retardant Heat Shrinkable Tube



Features:

Flame Retardant, Soft, Insulation, Shrinkable at low temperature
 Material: Cross - Linked Polyolefin
 Shrink Ratio: 2: 1
 Vertical Shrink Ratio: <5%
 Min. Shrink Temperature: 90°C
 Continuous Operating Temperature: -55°C ~125°C

Applications:

Insulation of Component, Terminal and Wire Connector
 Wire-Winding Isolation
 Marking and Identification
 Mechanical Protection - Oxidation

Approvals:

 E209436 VW - 1 600V 125 °C
 LR209028 OFT 600V 125 °C



Color:

Brown, Red, Yellow, Green, Blue, Purple, Grey, White, Black (Other colors can be ordered upon request)

Properties

	Properties	Condition	Value
Physical:	Tensile strength		>10.4 MPa
	Elongation		>200%
	Tensile strength after aging	158°C 168 hrs	>70% of original
	Elongation after aging		>100%
	Heat shock	136°C 1 hrs	no crack
	Cold bend	-10°C 1hrs	no crack
Electrical:	Dielectric Voltage withstand	60 sec	>2500V
	Volume resistivity		>10 ¹⁴ Ωcm
Chemical:	Corrosion	158°C 168 hrs	pass
	Copper stability	158°C 168 hrs	Elongation > 100%
	Flammability	VW-1 OFT	pass

S901 Flame Retardant Heat Shrinkable Tube



Spec.	Before shrinkage		After shrinkage		Inner Diameter (mm)
	Inner Diameter (mm)	Tube Thickness (mm)	Inner (mm Max.)	Average Tube Thickness (mm, min.)	
φ0.7	0.9 ± 0.2	0.15 ± 0.1	0.35	0.26	200
φ1.0	1.5 ± 0.2	0.2 ± 0.1	0.5	0.33	200
φ1.5	2.1 ± 0.2	0.2 ± 0.1	0.75	0.36	200
φ2.0	2.6 ± 0.2	0.2 ± 0.1	1.0	0.36	200
φ2.5	3.1 ± 0.2	0.25 ± 0.1	1.25	0.44	200
φ3.0	3.6 ± 0.2	0.25 ± 0.1	1.5	0.44	200
φ3.5	4.1 ± 0.3	0.25 ± 0.1	1.75	0.44	200
φ4.0	4.6 ± 0.3	0.25 ± 0.1	2.0	0.44	200
φ4.5	5.1 ± 0.3	0.25 ± 0.1	2.25	0.44	100
φ5.0	5.6 ± 0.3	0.3 ± 0.1	2.5	0.56	100
φ5.5	6.1 ± 0.3	0.3 ± 0.1	2.75	0.56	100
φ6.0	6.6 ± 0.3	0.3 ± 0.1	3.0	0.56	100
φ6.5	7.1 ± 0.3	0.3 ± 0.1	3.25	0.56	100
φ7.0	7.6 ± 0.3	0.3 ± 0.1	3.5	0.56	100
φ8.0	8.6 ± 0.3	0.35 ± 0.1	4.0	0.56	100
φ9.0	9.6 ± 0.3	0.35 ± 0.1	4.5	0.56	100
φ10	10.6 ± 0.3	0.35 ± 0.1	5.0	0.56	100
φ11	11.6 ± 0.3	0.35 ± 0.1	5.5	0.56	100
φ12	12.7 ± 0.3	0.35 ± 0.1	6.0	0.56	100
φ13	13.7 ± 0.3	0.35 ± 0.1	6.5	0.69	100
φ14	14.7 ± 0.4	0.35 ± 0.1	7.0	0.69	100
φ15	15.7 ± 0.4	0.35 ± 0.1	7.5	0.69	100
φ16	16.7 ± 0.4	0.35 ± 0.1	8.0	0.69	50
φ17	17.7 ± 0.4	0.4 ± 0.1	8.5	0.77	50
φ18	18.7 ± 0.4	0.4 ± 0.15	9.0	0.77	50
φ20	21.2 ± 0.4	0.4 ± 0.15	10	0.77	50
φ22	23.2 ± 0.4	0.45 ± 0.15	11	0.89	50
φ25	26.4 ± 0.4	0.45 ± 0.15	12.5	0.89	50
φ28	29.6 ± 0.5	0.45 ± 0.15	14	0.89	50
φ30	32 ± 0.5	0.45 ± 0.15	15	0.89	50
φ35	36.5 ± 0.5	0.5 ± 0.18	17.5	1	30
φ40	42 ± 0.5	0.5 ± 0.18	20	1	30
φ50	52 ± 0.5	0.5 ± 0.18	25	1	30

S901A Thin wall-Thickness

Flame Retardant Heat Shrinkable Tube

Features:

Flame Retardant, Soft, Insulation, Shrinkable at low temperature, Fast
 -Speed Shrinkage
 Material: Cross - Linked Polyolefin
 Shrink Ratio: 2: 1
 Vertical Shrink Ratio: <5%
 Min. Shrink Temperature: 90°C
 Continuous Operating Temperature: -55°C~125°C

Applications:

Insulation of Component, Terminal and Wire Connector
 Wire-Winding Isolation
 Marking and Identification
 Mechanical Protection - Oxidation

Approvals:



E209436 VW - 1 300V 125 °C



LR209028 OFT 150V 125°C



Color:

Brown, Red, Yellow, Green, Blue, Purple, Grey, White, Black (Other colors can be ordered upon request)

Properties

	Properties	Condition	Value
Physical:	Tensile strength		>10.4 MPa
	Elongation		>200%
	Tensile strength after aging	158°C 168 hrs	>70% of original
	Elongation after aging		>100%
	Heat shock	136°C 1 hrs	no crack
	Cold bend	-10°C 1hrs	no crack
Electrical:	Dielectric Voltage withstand	60 sec	>2500V
	Volume resistivity		$\geq 10^{14} \Omega \cdot \text{cm}$
Chemical:	Corrosion	158°C 168 hrs	pass
	Copper stability	158°C 168 hrs	Elongation>100%
	Flammability	VW-1 OFT	pass

S901A Thin wall-Thickness Flame Retardant Heat Shrinkable Tube



Spec.	Before shrinkage		After shrinkage		Inner Diameter (mm)
	Inner Diameter (mm)	Tube Thickness (mm)	Inner (mm Max.)	Average Tube Thickness (mm, min.)	
φ0.7	0.9±0.2	0.1±0.05	0.35	0.15	200
φ1.0	1.5±0.2	0.1±0.05	0.5	0.15	200
φ1.5	2.1±0.2	0.1±0.05	0.75	0.15	200
φ2.0	2.6±0.2	0.15±0.08	1.0	0.25	200
φ2.5	3.1±0.2	0.15±0.08	1.25	0.25	200
φ3.0	3.6±0.2	0.15±0.08	1.5	0.25	200
φ3.5	4.1±0.3	0.15±0.08	1.75	0.25	200
φ4.0	4.6±0.3	0.15±0.08	2.0	0.25	200
φ5.0	5.6±0.3	0.15±0.08	2.5	0.25	100
φ6.0	6.6±0.3	0.15±0.08	3.0	0.25	100
φ7.0	7.6±0.3	0.15±0.1	3.5	0.25	100
φ8.0	8.6±0.3	0.15±0.1	4.0	0.25	100
φ9.0	9.6±0.3	0.15±0.1	4.5	0.25	100
φ10	10.6±0.3	0.15±0.1	5.0	0.25	100
φ11	11.6±0.3	0.18±0.1	5.5	0.28	100
φ12	12.7±0.3	0.18±0.1	6.0	0.28	100
φ13	13.7±0.3	0.18±0.1	6.5	0.28	100
φ14	14.7±0.4	0.18±0.1	7.0	0.28	100
φ15	15.7±0.4	0.18±0.1	7.5	0.28	100

S902 Not Flame Retardant Heat Shrinkable Tube

Features:

Corrosion Resistance, Wear Resistance, Soft, Insulation, Shrinkable at low temperature

Material: Cross - Linked Polyolefin

Shrink Ratio: 2: 1

Vertical Shrink Ratio: <5%

Min. Shrink Temperature: 90 °C

Continuous Operating Temperature: -55°C ~ 105°C



Applications:

Insulation of Component, Terminal and Wire Connector

Wire-Winding Isolation

Marking and Identification

Mechanical Protection - Oxidation

Color:

Transparent, Brown, Red, Yellow, Green, Blue, Purple, Grey, White, Black
 (Other colors can be ordered upon request)

Properties

	Properties	Condition	Value
Physical:	Tensile strength		>10.4 MPa
	Elongation		>200%
	Tensile strength after aging	136°C 168 hrs	>70% of original
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	Heat shock	136°C 1 hrs	no crack
	Cold bend	-10°C 1hrs	no crack
Electrical:	Dielectric Voltage withstand	60 sec	≥2500V
	Volume resistivity		>10 ¹⁴ Ω.cm
Chemical:	Corrosion	136°C 168 hrs	pass
	Copper stability	136°C 168 hrs	Elongation>100%

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	Inner Diameter (mm)	Tube Thickness (mm)	Inner (mm Max.)	Average Tube Thickness (mm, min.)	
φ 0.7	0.9 ± 0.2	0.15 ± 0.1	0.35	0.26	200
φ 1.0	1.5 ± 0.2	0.2 ± 0.1	0.5	0.33	200
φ 1.5	2.1 ± 0.2	0.2 ± 0.1	0.75	0.36	200
φ 2.0	2.6 ± 0.2	0.2 ± 0.1	1.0	0.36	200
φ 2.5	3.1 ± 0.2	0.25 ± 0.1	1.25	0.44	200
φ 3.0	3.6 ± 0.2	0.25 ± 0.1	1.5	0.44	200
φ 3.5	4.1 ± 0.3	0.25 ± 0.1	1.75	0.44	200
φ 4.0	4.6 ± 0.3	0.25 ± 0.1	2.0	0.44	200
φ 4.5	5.1 ± 0.3	0.25 ± 0.1	2.25	0.44	100
φ 5.0	5.6 ± 0.3	0.3 ± 0.1	2.5	0.56	100
φ 5.5	6.1 ± 0.3	0.3 ± 0.1	2.75	0.56	100
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φ 7.0	7.6 ± 0.3	0.3 ± 0.1	3.5	0.56	100
φ 8.0	8.6 ± 0.3	0.35 ± 0.1	4.0	0.56	100
φ 9.0	9.6 ± 0.3	0.35 ± 0.1	4.5	0.56	100
φ 10	10.6 ± 0.3	0.35 ± 0.1	5.0	0.56	100
φ 11	11.6 ± 0.3	0.35 ± 0.1	5.5	0.56	100
φ 12	12.7 ± 0.3	0.35 ± 0.1	6.0	0.56	100
φ 13	13.7 ± 0.3	0.35 ± 0.1	6.5	0.69	100
φ 14	14.7 ± 0.4	0.35 ± 0.1	7.0	0.69	100
φ 15	15.7 ± 0.4	0.35 ± 0.1	7.5	0.69	100
φ 16	16.7 ± 0.4	0.35 ± 0.1	8.0	0.69	50
φ 17	17.7 ± 0.4	0.4 ± 0.1	8.5	0.77	50
φ 18	18.7 ± 0.4	0.4 ± 0.15	9.0	0.77	50
φ 20	21.2 ± 0.4	0.4 ± 0.15	10	0.77	50
φ 22	23.2 ± 0.4	0.45 ± 0.15	11	0.89	50
φ 25	26.4 ± 0.4	0.45 ± 0.15	12.5	0.89	50
φ 28	29.6 ± 0.5	0.45 ± 0.15	14	0.89	50
φ 30	32 ± 0.5	0.45 ± 0.15	15	0.89	50
φ 35	36.5 ± 0.5	0.5 ± 0.18	17.5	1	30
φ 40	42 ± 0.5	0.5 ± 0.18	20	1	30
φ 50	52 ± 0.5	0.5 ± 0.18	25	1	30

S902A Thin wall- Thickness Flame Retardant Heat Shrinkable Tube

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φ3.0	3.6±0.2	0.15±0.08	1.5	0.25	200
φ3.5	4.1±0.3	0.15±0.08	1.75	0.25	200
φ4.0	4.6±0.3	0.15±0.08	2.0	0.25	200
φ5.0	5.6±0.3	0.15±0.08	2.5	0.25	100
φ6.0	6.6±0.3	0.15±0.08	3.0	0.25	100
φ7.0	7.6±0.3	0.15±0.1	3.5	0.25	100
φ8.0	8.6±0.3	0.15±0.1	4.0	0.25	100
φ9.0	9.6±0.3	0.15±0.1	4.5	0.25	100
φ10	10.6±0.3	0.15±0.1	5.0	0.25	100
φ11	11.6±0.3	0.18±0.1	5.5	0.28	100
φ12	12.7±0.3	0.18±0.1	6.0	0.28	100
φ13	13.7 +/- 0.3	0.18 +/- 0.1	6.5	0.28	100
φ14	14.7 +/- 0.4	0.18 +/- 0.1	7.0	0.28	100
φ15	15.7 +/- 0.4	0.18 +/- 0.1	7.5	0.28	100