



Heatshrink 2:1

Flexible thin wall, multi purpose polyolefin heat shrink tubing, designed for electrical, automotive, industrial and pipe applications requiring electrical and/or mechanical insulation.

Features:

- -55°C to +125°C operating temperature
- Shrink Temperature: +110°C
- 2:1 Shrink Ratio
- MIL UL CSA
- Flexible
- Radiation Cross Linked
- Excellent Electrical Insulation
- Flame Retardant - UL 224
- Clear & Colours
- Good Fluid Resistance



Applications:

- Hose or Pipe Protection
- Wire Harnesses
- Bundling, Strain Relief, Identification, Colour Coding

Standard Colours:



Physical

Property

Tensile Strength
Elongation
Longitudinal Change
Secant Modulus
Specific Gravity
Elongation after Heat Aging (168 hrs at 158°C)
Tensile Strength after Heat Aging (168 hrs at 158°C)
Heat Shock (4hrs at 250°C)
Tensile Strength after Heat Shock (4hrs at 200°C)
Low Temperature Flexibility
Flammability
UL224(Colours)
Flame Retardant

Test Method

IEC 60684-2
IEC 60684-2
ASTM-D 2671
ASTM-D 882
ASTM-D792,A-1
ASTM-D 2671
ASTM-D 2671
ASTM-D 2671
IEC 811-1-2
ASTM-D 2671Me.C
FMVSS302(Clear)
Pass

Typical Performance

17 Mpa (20Mpa Clear)
500% (550% Clear)
+/-5% Max
175Mpa max.
1.25 g/cm
300% (490% Clear)
12 Mpa/18 Mpa (Clear)
No Cracking or Flowing
13 Mpa/18 Mpa (Clear)
No Break at -55°C

Electrical

Property

Dielectric Strength
Volume Resistivity

Test Method

VDE 0303 Part 2
VDE 0303 Part 3

Typical Performance

26 kV/mm
105

Chemical

Property

Corrosive Action
Copper Compatibility
Chemical Resistance
Water Absorption

Test Method

ASTM-D2671MetA
ASTM-D2671MetA

VDE-0472

Typical Performance

Non-Corrosive
Non-Corrosive
Good
0.15%/0.30% (clear)

Printability Guide

Hot Stamp
Very Good

Ink Jet
Good

Offset
Good

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Dimensions

Expanded ID (Max)		Recovered ID (Min)	Wall Thickness	Black		Black & Colours		Lengths	
mm	in	mm	mm	Reel (m)	Style	Reel (m)	Style	Reel (m)	Style
1.2	3/64"	0.6	0.40	300	O	150	O	1.22	O
1.6	1/16"	0.8	0.40	300	O	150	O	1.22	O
2.4	3/32"	1.2	0.50	300	O	150	O	1.22	O
3.2	1/8"	1.6	0.50	300	O	150	O	1.22	O
4.8	3/16"	2.4	0.50	300	O	75	O	1.22	O
6.4	—"	3.2	0.60	300	O	75	O	1.22	O
9.5	3/8"	4.8	0.60	150	O	75	O**	1.22	F
12.7	—"	6.4	0.60	100	O	50	F	1.22	F
16.0	5/8"	8.0	0.60	100	F	50	F	R	F
19.0	—"	9.5	0.80	50	F	30	F	R	F
25.4	1"	12.7	0.90	50	F	30	F	R	F
32.0	1 _"	16.0	0.90	50	F	30	F	R	F
38.1	1 _"	19.0	1.00	30	F	30	F	R	F
50.8	2"	25.4	1.10	50	F	30	F	R	F
76.2	3"	38.1	1.30	25	F	15	F	R	F
101.6	4"	50.8	1.40	25	F	15	F	R	F

O: Airfilled F: Flat O**: black only (colours flattened) R: Upon Request

Code Example: EPH0012BK300MR Product, Size, Colour and reel length required