

SLEEVE IT Limited

DERAY H

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

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

Electrical

Property

Dielectric Strength
Volume Resistivity

Chemical

Property

Corrosive Action
Copper Compatibility
Chemical Resistance
Water Absorption

Printability Guide

Hot Stamp
Very Good



Applications:

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

Standard Colours:



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

Test Method

VDE 0303 Part 2
VDE 0303 Part 3

Typical Performance

26 kV/mm
105

Test Method

ASTM-D2671MetA
ASTM-D2671MetA

VDE-0472

Typical Performance

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

Ink Jet
Good

Offset
Good

DERAY H

Dimensions

Expanded ID (Max)		Recovered ID (Min)	Wall Thickness	Black		Black & Colours		Lengths	
mm	in			mm	Reel (m)	Style	Reel (m)	Style	Reel (m)
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

All information shown, including illustrations is believed to be reliable. Users, however, should independently evaluate the suitability of the product for their application. Sleeve It makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. In no case will Sleeve It be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Sleeve It specifications are subject to change without notice. In addition Sleeve It reserves the right to make changes in materials and processing, without notification to the buyer, which do affect compliance with any applicable specification.