

## 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

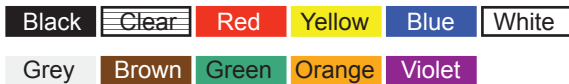
Hot Stamp  
Very Good



### 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  
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			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

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