

DERAY®-HB

Economical, non self-extinguishing,
halogen free heat shrink tubing

Features

- Flexible
- Halogen free alternative to PVC
- Continuous Operating
Temperature: -55°C to 105°C
- Shrink Temperature: 125°C



Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS				
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Black		Black & Clear		Lengths 1.22 m pcs.
mm	IN	mm	mm	Spool Length	Style*	Spool Length	Style*	
1,2	3/64	0,6	0,40	300	o	150	o	-
1,6	1/16	0,8	0,40	300	o	150	o	-
2,4	3/32	1,2	0,50	300	o	150	o	-
3,2	1/8	1,6	0,50	300	o	150	o	-
4,8	3/16	2,4	0,50	300	o	75	o	-
6,4	1/4	3,2	0,60	300	o	75	o	-
9,5	3/8	4,8	0,60	150	o	75	o**	-
12,7	1/2	6,4	0,60	100	o	50	-	-
19,0	3/4	9,5	0,80	50	-	30	-	-
25,4	1	12,7	0,90	50	-	30	-	-
38,1	1 1/2	19,0	1,00	50	-	30	-	-
50,8	2	25,4	1,10	50	-	30	-	-

* o = airfilled or oval ** black only, other colours flattened - = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	17,0 MPa
Elongation	IEC 60684-2	500%
Longitudinal Change	ASTM-D 2671	6% max.
Secant Modulus	ASTM-D 882	170 MPa max.
Specific Gravity	ASTM-D 792, A-I	0,95 g/cm ³
Elongation after Heat Aging (168 hrs at 150°C)	IEC 811-1-2	470%
Tensile Strength after Heat Aging (168 hrs at 150°C)	IEC 811-1-2	16 MPa
Elongation after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	480%
Tensile Strength after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	16 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C
Flammability	FMVSS302	passed

Standard Colours		Special Colours
black	clear	On Request

Electrical

Property	Test Method	Typical Performance
Dielectric Strength	VDE 0303 Part 2	20 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁴ Ω x cm

Chemical

Property	Test Method	Typical Performance
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive
Chemical Resistance		good
Water Absorption	VDE 0472	0,30%

Printability	Hot stamp	Ink jet	Offset
very good	very good	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: Deray®-HB 1/2" black, 2.500 mtr., 100m-spool, unprinted