

DERAY®-LSB

Low shrink temperature tubing,
ideal for covering sensitive
electronic components

Features

- Flexible
- Ideal for high volume
production lines
- Continuous Operating
Temperature: -45°C to 125°C
- Shrink Temperature: 70°C



Single Wall



2:1
Shrink Ratio

DERAY®-LSB

Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS				
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Black		Black & Special colours		Lengths
mm	IN	mm	mm	Spool Length m	Style*	Spool Length m	Style*	1.22 m pcs.
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	—	-
16,0	5/8	8,0	0,60	100	—	50	—	-
19,0	3/4	9,5	0,80	50	—	30	—	-
25,4	1	12,7	0,90	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	14 MPa
Elongation	IEC 60684-2	420%
Longitudinal Change	ASTM-D 2671	6% max.
Secant Modulus	ASTM-D 882	40 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,2 g/cm ³
Elongation after Heat Aging (168 hrs at 158°C)	UL 224	390%
Tensile Strength after Heat Aging (168 hrs at 158°C)	UL 224	11 MPa
Elongation after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	450%
Tensile Strength after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	13 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -45°C
Flammability	FMVSS302	passed

Electrical

Property	Test Method	Typical Performance
Dielectric Strength	VDE 0303 Part 2	25 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁴ Ω x cm

Chemical

Property	Test Method	Typical Performance coloured
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	0,20%

Standard Colours	Special Colours
black	On Request

Printability	Hot stamp	Ink jet	Offset
	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®-LSB 1/2" black, 2.500 mtr., 100m-spool, unprinted