DERAY®-IGY

Dual colour, flexible, non-meltable, quick shrinking heat shrink tubing with a high shrink ratio

DE-STAN 59/21/

Features

- Flexible
- High shrink ratio
- Flame retardant
- Resistant to common fluids and solvents
- Continuous Operating Temperature: -55°C to 135°C
- Shrink Temperature: 90°C

Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS		
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Green-Yellow Spool Length	Style*	Lengths 1.22 m
mm	IN	mm	mm	m		pcs.
3,2	1/8	1,0	0,55	150	o	25
4,8	3/16	1,5	0,60	75	o	25
6,4	1/4	2,0	0,65	75	o	10
9,5	3/8	3,0	0,75	75	–	10
12,7	1/2	4,0	0,75	50	–	10
19,0	3/4	6,0	0,85	30	–	10
25,4	1	8,0	1,00	30	–	10
39,0	1 1/2	13,0	1,15	30	–	-

* o = airfilled or oval – = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	15 MPa
Elongation	IEC 60684-2	450%
Longitudinal Change	ASTM-D 2671	± 10% max.
Secant Modulus	ASTM-D 882	175 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,3 g/cm^3
Elongation after Heat Aging (168 hrs at 175°C)	UL 224	300%
Tensile Strength after Heat Aging (168 hrs at 175°C)	UL 224	12 Mpa
Elongation after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	400%
Tensile Strength after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	14 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C
Flammability	UL 224	flame retardant

Standard Colours	Special Colours
green-yellow	Not Available

Electrical

Property	Test Method	Typical Performance
Dielectric Strength	VDE 0303 Part 2	24 kV/mm
Volume Resistivity	VDE 0303 Part 3	10^{16} 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	0,20%

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®-IGY 19/6 green-yellow, 300 mtr., 30m-spool, unprinted