

DERAY[®]-SET 1000

Flame retardant, multi-purpose
heat shrink tubing

Features

- Flexible
- Suitable for various applications
- Continuous Operating
Temperature: -55°C to 125°C
- Shrink Temperature: 110°C



Dimensions

CASE	EXPANDED		RECOVERED		COMPARTMENT CONTENTS	
	INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)	length	quantity of each case pcs.
	D		D	w		
	mm	IN	mm	mm	mm	
1	2,4	3/32	1,2	0,5	200	1
	3,2	1/8	1,6	0,5	200	1
	4,8	3/16	2,4	0,5	200	1
	6,4	1/4	3,2	0,6	200	1
	9,5	3/8	4,8	0,6	200	1
	12,7	1/2	6,4	0,6	200	1
2	19,0	3/4	9,5	0,8	200	1
	2,4	3/32	1,2	0,5	70	10
	3,2	1/8	1,6	0,5	70	11
	4,8	3/16	2,4	0,5	70	13
	6,4	1/4	3,2	0,6	70	17
4	9,5	3/8	4,8	0,6	70	9
5	12,7	1/2	6,4	0,6	70	6
6	19,0	3/4	9,5	0,8	70	4

Content:

1				
2	3	4	5	6

Technical Data

Physical

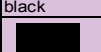




Property	Test Method	Typical Performance coloured	Typical Performance clear
Tensile Strength	IEC 60684-2	15 MPa	19 MPa
Elongation	IEC 60684-2	450%	530%
Langitudinal Change	ASTM-D 2671	+ - 10% max.	+ - 10% max.
Secant Modulus	ASTM-D 882	175 MPa max.	175 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,25 g/cm ³	1,00 g/cm ³
Elongation after Heat Aging (168 hrs at 158°C)	UL 224	300%	490%
Tensile Strength after Heat Aging (168 hrs at 158°C)	UL 224	12 MPa	18 MPa
Elongation after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	400%	500%
Tensile Strength after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	13 MPa	18 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C	does not break at -55°C
Fammability	UL 224 (coloured) FMVSS 302 (clear)	flame retardant	passed

Electrical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Dielectric Strength	VDE 0303 Part 2	24 kV/mm	26 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁵ Ω x cm	10 ¹⁵ Ω x cm

Chemical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive	non-corrosive
Chemical Resistance		good	good
Water Absorption	VDE 0472	0,15%	0,30%

Colours				
black	red	yellow	blue	white
				

Printability	Hot stamp	Ink jet	Offset
	Very good	good	good