

DERAY[®]-SET SIX

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
	D		D	w		
	mm	IN	mm	mm	mm	pcs.
1	1,2	3/64	0,6	0,4	50	60
2	2,4	3/32	1,2	0,5	50	30
3	4,8	3/16	2,4	0,5	50	16
4	9,5	3/8	4,8	0,6	50	8
5	19,0	3/4	9,5	0,8	50	4
6	38,0	1 1/2	19,0	1,0	50	1

Content:

1	2	3	4	5	6

Technical Data

Physical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Tesile 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/cm3	1,00 g/cm3
Elongation after Heat Aging (168 hrs at 158°C)	ASTM-D 2671	300%	490%
Tensile Strength after Heat Aging (168 hrs at 158°C)	ASTM-D 2671	12 MPa	18 MPa
Elongonaton 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 811-1-3	13 MPa	18 MPa
Low Temeperature 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