

DERAY®-HANDYBOX

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



Market Specific Products

Flame retardant

2:1 Shrink Ratio

DERAY® -HANDYBOX

Dimensions

SIZE	EXPANDED		RECOVERED		DELIVERY UNITS	
	INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)	quantity of one box	MOQ
	D	D	D	w		
mm	IN	mm	mm	m	pcs.	
HAN-12	1,2	3/64	0,6	0,4	10	10
HAN-16	1,6	1/16	0,8	0,4	10	10
HAN-24	2,4	3/32	1,2	0,5	10	10
HAN-32	3,2	1/8	1,6	0,5	10	10
HAN-48	4,8	3/16	2,4	0,5	8	10
HAN-64	6,4	1/4	3,2	0,6	6	10
HAN-95	9,5	3/8	4,8	0,6	5	10
HAN-127	12,7	1/2	6,4	0,6	5	10
HAN-190	19,0	3/4	9,5	0,8	4	10
HAN-254	25,4	1	12,7	0,9	3	10

Technical Data

Physical

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

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	24 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁵ 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	0,15%

colours

black, blue, red, yellow, brown, clear, white



Order quantity: 10 pieces

Printability	Hot stamp	Ink jet	Offset
	Very good	good	good