

DERAY®-PROTECTBOX

Adhesive lined heat shrink tubing
ideal for effective moisture-resistant
insulation

Features

- Flexible
- High shrink ratio
- Adhesive bonds to plastics, rubber, neoprene, steel and polyethylene
- Continuous Operating Temperature: -55°C to 110°C*
- Shrink Temperature: 95°C

*Outer Jacket



Market Specific Products

Flame
retardant
(outer jacket)

3:1
Shrink Ratio

DERAY® -PROTECTBOX

Dimensions

SIZE	EXPANDED		RECOVERED		DELIVERY UNITS	
	INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)	WALL THICKNESS OVERALL (NOM)	quantity of one box	MOQ
	D		D	w		
	mm	IN	mm	mm	m	pcs.
Protect 3/1	3,0	-	1,0	1,00	5,0	10
Protect 6/2	6,0	-	2,0	1,20	3,5	10
Protect 9/3	9,0	-	3,0	1,40	3,0	10
Protect 12/4	12,0	-	4,0	1,70	2,5	10
Protect 19/6	19,0	-	6,0	2,10	2,0	10
Protect 24/8	24,0	-	8,0	2,40	1,5	10
Protect 4/1	4,0	-	1,0	1,00	4,0	10
Protect 8/2	8,0	-	2,0	1,20	3,0	10
Protect 12/3	12,0	-	3,0	1,40	2,5	10
Protect 16/4	16,0	-	4,0	1,70	2,0	10
Protect 24/8	24,0	-	8,0	2,10	1,5	10

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	15,0 MPa
Elongation	IEC 60684-2	400%
Longitudinal Change 3:1	ASTM-D 2671	-15% max.
Specific Gravity	ASTM-D 792, A-I	1,25 g/cm ³
Elongation after Heat Aging (168 hrs at 150°C)	IEC 811-1-2	320%
Tensile Strength after Heat Aging (168 hrs at 150°C)	IEC 811-1-2	14 MPa
Elongation after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	360%
Tensile Strength after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	15 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C
Fammability	ASTM-D 876	flame retardant jacket

Electrical

Property	Test Method	Typical Performance
Dielectric Strength	VDE 0303 Part 2	22 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁴ Ω x m

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	0,15%

Colours
black


Printability	Hot stamp	Ink jet	Offset
	very good	good	good

Order quantity: 10 pieces