

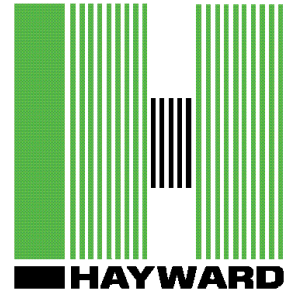
Hayward Plastics Ltd

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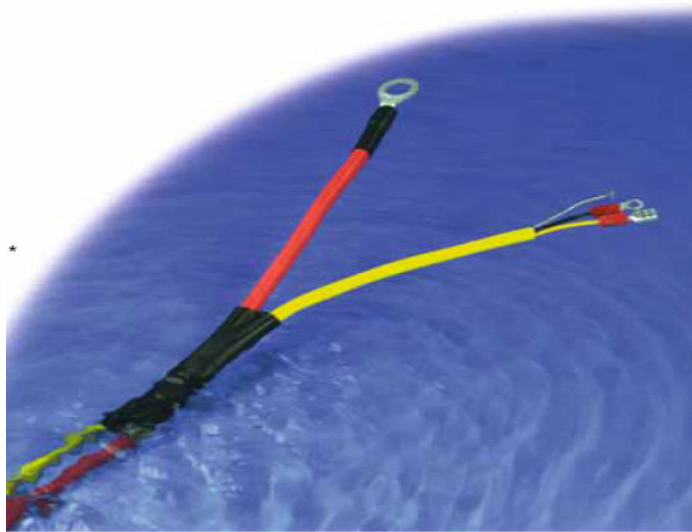
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Data Sheet

RAYSHRINK 100



Features

- Adhesive-lined heat shrink tubing, ideal for effective moisture-resistant insulation.
- Flexible.
- High shrink ratio.
- Adhesive bonds to plastics, rubber, neoprene, Steel, polyethylene and many other materials.
- Continuous Operating Temperature: -55°C to 110°C*
- Shrink Temperature: 95°C

*Outer Jacket

Director: D.J. Childs

Registered in England No. 06799055

Registered Office: Unit 4, Willows Gate, Stoke Lyne Road, Stratton Audley
Bicester, United Kingdom OX27 9AU

VAT No: GB 144 4315 34

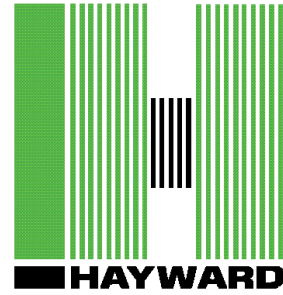
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Data Sheet

RAYSHRINK 100

Dimensions 3:1

EXPANDED		RECOVERED	
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS OVERALL (NOM) w
mm	IN	mm	mm
3,0	-	1,0	1,00
4,5	-	1,5	1,10
6,0	-	2,0	1,20
9,0	-	3,0	1,40
12,0	-	4,0	1,70
19,0	-	6,0	2,10
24,0	-	8,0	2,40
40,0	-	13,0	2,40
		WALL THICKNESS ADHESIVE (NOM) w	mm
			0,40
			0,50
			0,50
			0,50
			0,60
			0,60
			0,70
			0,70

Dimensions 4:1

EXPANDED		RECOVERED	
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS OVERALL (NOM) w
mm	IN	mm	mm
4,0	-	1,0	1,00
8,0	-	2,0	1,20
12,0	-	3,0	1,40
16,0	-	4,0	1,70
24,0	-	6,0	2,10
32,0	-	8,0	2,40
52,0	-	13,0	2,40
		WALL THICKNESS ADHESIVE (NOM) w	mm
			0,40
			0,50
			0,50
			0,60
			0,60
			0,70
			0,70

* o = airfilled or oval – = flattened

Technical Data

Physical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Tensile Strength	IEC 60684-2	15,0 MPa	17,0 MPa
Elongation	IEC 60684-2	400%	450%
Longitudinal Change 3:1	ASTM-D 2671	-15% max.	-15% max.
Longitudinal Change 4:1	ASTM-D 2671	-18% max.	-18% max.
Specific Gravity	ASTM-D 792, A1	1,25 g/cm ³	1,00 g/cm ³
Elongation after Heat Aging (168 hrs at 150°C)	IEC 811-1-2	320%	360%
Tensile Strength after Heat Aging (168 hrs at 150°C)	IEC 811-1-2	14 MPa	15 MPa
Elongation after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	360%	380%
Tensile Strength after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	15 MPa	16 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C	does not break at -55°C
Flammability	ASTM-D 876 (coloured) FMVSS 302 (clear)	flame retardant jacket	passed

Standard Colours	Special Colours
black 	On Request
clear 	

Electrical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Dielectric Strength	VDE 0303 Part 2	22 kV/mm	23 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁴ Ω x cm	10 ¹⁴ 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%	0,17%

Printability	Hot stamp	Ink jet	Offset
	very good	good	good

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