

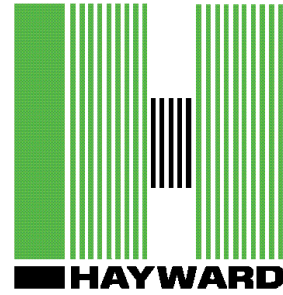
Hayward Plastics Ltd

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Data Sheet

Rayshrink S3

Rayshrink S3 is flexible heat-shrinkable irradiated polyolefin tubing that is self-extinguishing and meets the most stringent industrial and military requirements (passed MIL-I-23053 and UL224).

Rayshrink S3 UL 224, File n° E328344: VW-1, 600V, 125°C (except clear products). Also UL E223 843 approved. MIL-I-23053/5 Class 1 and 3 (coloured products), Class 2 (clear), 600V, 135°C.

Working temperature -55°C up to +135°C

Standard colours Black, White, Red, Blue, Yellow, Green, Yellow/Green.

Non-standard colours Upon request.



Dimension Data

Size Ref (mm)	As supplied (mm)	After recovery (mm)		Standard Length (m)	
		Inside Diameter Mini. (D)	Inside Diameter Maxi. (d)	Wall Thickness Mini. (t)	
				Spool	Stick
1.5/0.5	1,50	0,50	0,40	200/150	1,2
3/1	3,00	1,00	0,50	100/150	1,2
4.5/1.5	4,50	1,50	0,54	100/75	1,2
6/2	6,00	2,00	0,59	100/75	1,2
9/3	9,00	3,00	0,68	100/75	1,2
12/4	12,00	4,00	0,68	100/50	1,2
18/6	18,00	6,00	0,77	50/30	1,2
24/8	24,00	8,00	0,90	50/30	1,2
38/13	38,00	13,00	1,04	50/30	1,2



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

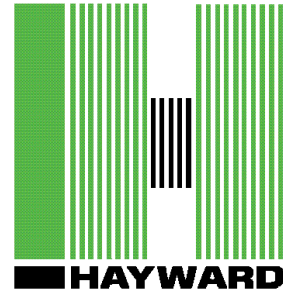
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Rayshrink S3

TECHNICAL CHARACTERISTICS:

	Standard Requirements	Test Methods
PHYSICAL		
Working temperature	-55°C up to +135°C	
Shrink temperature	+90°C	
Shrink ratio	3: 1	
Longitudinal change	±10%	MIL-I-23053
Specific gravity	1,40 max.	ASTM D 792
Elongation at break	300% min.	ASTM D 638
Tensile strength	11 MPa min.	ASTM D 638
Low temperature flexibility (4h at -55°C)	No cracking	MIL-I-23053
Heat ageing (168h at +158°C)	300% min.	UL 224
Secant modulus (2%)	173 MPa	ASTM D 882
ELECTRICAL		
Dielectric strength	19.7 kV/mm min.	ASTM D 2671
Volume resistance	$1 \times 10^{14} \Omega$ cm min.	ASTM D 876
CHEMICAL		
Water absorption	0,1%	
CUTTING / MARKING		
Upon request.		
PACKAGING		
Spool		
SPECIFICATIONS		

Railway approved NF F 00-608, SNCF approved. UL 224, File n°E328344: VW-1, 600V, 125°C (except clear products). Also UL E223 843 approved.

MIL-I-23053/5 Class 1 and 3 (coloured products), Class 2 (clear), 600V, 135°C.

We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. Hayward Plastics Ltd shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.

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