



ENGLISH

Datasheet

RS 12.7mm Transparent Adhesive Lined Heat Shrink Tubing 3:1, 30cm Length

RS Stock 458-0695



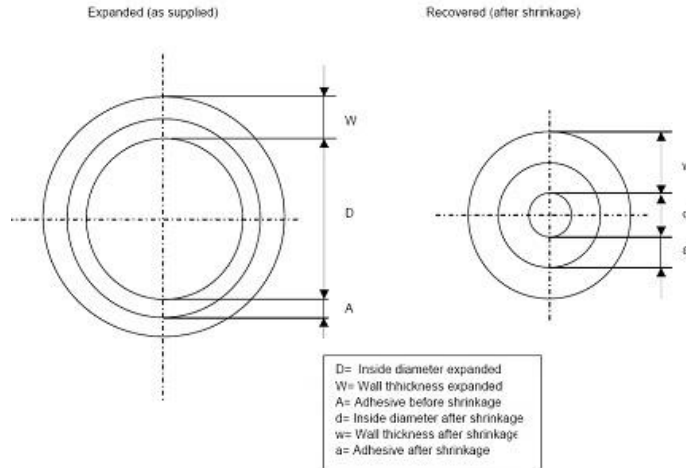
Specifications

Properties	Test Method	Standard Requirements	Typical Value
Referring Size: 3/1 Shrink Ratio: 3:1			
Thermal Properties			
Continuous Operating Temperature		-55°C to +105°C	
Min. Shrink Temperature for Full Recovery		+110°C	
Shrinking starts at		+60°C	
Elongation After Heat Ageing (136°C x 168h)	UL 224	100% min.	400%
Low Temperature Flexibility (-55°C x 4h)	SAE-AMS-DTL-23053	no cracking	pass
Physical Properties			
Longitudinal Change	SAE-AMS-DTL-23053	+5%/ -15%	-7%
Tensile Strength	ASTM D 638	10.3MPa min.	19MPa
Elongation at Break	ASTM D 638	200% min.	420%
Secant Modulus	ASTM D 882	173MPa max.	125MPa
Chemical Properties			
Water Absorption	ASTM D 570	1.0% max.	0.20%
Electrical Properties			
Voltage Rating		n.a.	600V
Dielectric Voltage Withstand (2.5kV x 60sec.)	UL 224	no breakdown	pass
Volume Resistivity	ASTM D 876	10 ¹² Ohm-cm min.	3.0x10 ¹⁴ Ohm-cm
Dielectric Strength	ASTM D 876	11.8kV/mm min.	30kV/mm
Other Properties			
Sealing Efficiency	SAE-AMS-DTL-23053	no openings on reheat	pass



TECHNICAL DRAWING

Tube Front



Dimensions

BEFORE SHRINKAGE		AFTER SHRINKAGE		DELIVERY UNITS	
Inner diameter (EID) min.		Inner diameter (RID) max.	Wall thickness (RWT) min- max	Unit quantity	Box quantity
[type]	[mm]	[mm]	[mm]	[m]	[m]
3/1	3,2	0,6	nom. 0,95	60	600
4,5/1,5	4,8	1,5	nom. 1,10	60	300
6/2	6,4	2,0	nom. 1,20	60	300
9/3	9,5	3,0	nom. 1,30	30	150
12/4	12,7	4,0	nom. 1,40	30	150
19/6	19,0	6,0	nom. 1,80	18	90
24/8	24,0	8,0	nom. 2,50	18	90
40/13	40,0	13,0	nom. 2,50	6	12