

HellermannTyton

DATA SHEET

402-69002 boot: RFS 77000547

DESCRIPTION

A heat-shrinkable, flexible, halogen free, flame retarded, adhesive lined modified polyolefin boot with excellent fire safety properties and an operating temperature range of -55°C to +105°C.

APPLICATION

Harnessing for limited fire hazard environments in telecom applications.

MATERIAL PROPERTIES

Properties	Typical Results	Test Method
Tensile Strength	15 MPa	IEC 540
Elongation	500%	IEC 540
Dielectric Strength	15 kV/mm	ASTM D2671
Water Absorption at 25°C	0.05%	ASTM D570
Solvent Resistance Water IPA Insulating Oil	Excellent Good Good	IEC 62677
Flammability	HB	ASTM D635
Thermal Ageing (168 hours / 175°C)	14 MPa / 520%	IEC 540
Thermal Shock (4 hours / 225°C)	Pass	ASTM D2671
Copper Corrosion at 175°C	Pass	IEC 62677
Low Temperature Flexibility (-55°C)	Pass	ASTM D2671 Method C
Standard Colour	Black	
Shelf Life	5 years	
Minimum Shrink Temperature	135°C	

ADHESIVE PROPERTIES

Properties	Typical Results	Test Method
Softening Point	95°C	ASTM E28
Peel Strength for: XLPE / Metal XLPE / XLPE	80 N/25mm 250 N/25mm	VG 95-343 Pt 14
Lap Shear Strength for: XLPE / Metal XLPE / XLPE	200 N 225 N	VG 95-343 Pt 15 (12.5mm x 25mm)
Solvent Resistance	Fair under splash conditions.	
Dynamic Shear at 23°C	365 N	VG 95-343 Pt 14

MATERIAL STANDARDS

Approved to:

Conforms to: ESI 09-11, EC 62677-3-101 (standard in preparation),

Issue 1

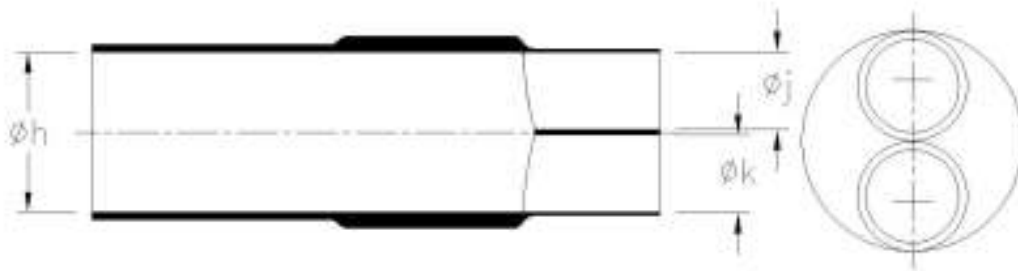
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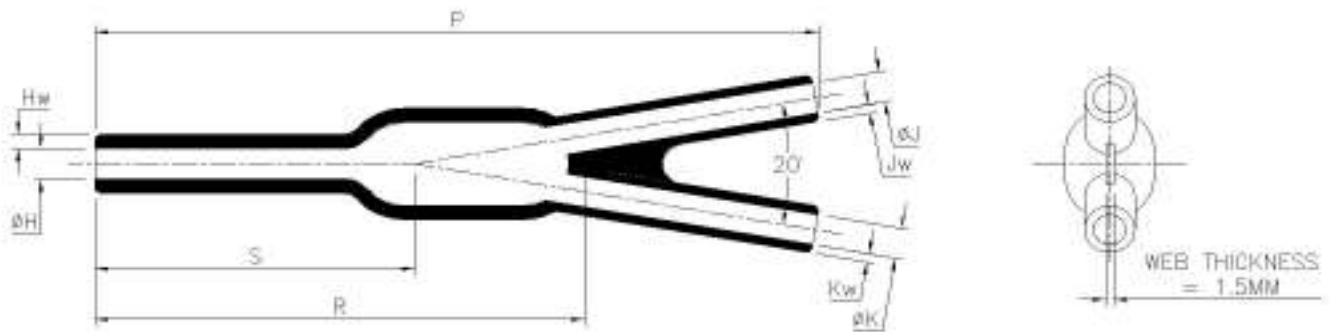
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Expanded (as supplied)



Recovered

RFS number	Expanded Dimensions				Recovered Dimensions						
	UNS	h Min.	j Min.	k Min.	H Max.	J Max.	P ± 10%	R ± 10%	Hw ± 20%	Jw ± 20%	Kw ± 20%
77000547	402-69002	22.9 (0.90)	11.5 (0.45)	11.5 (0.45)	6.0 (0.24)	6.0 (0.24)	114.3 (3.04)	50.4 (2.00)	2.5 (0.10)	1.5 (0.06)	1.5 (0.06)

All dimensions in mm, refer to product drawing for full dimensional details