



**SERIES 77**  
**Heat Shrink Boots**



**Compound Material Performance Specifications**  
**Type 9 Material: 2013 Flexible Polyolefin**

**GTS 4086: Low Temperature Installable, Heat-Shrinkable Flexible Polyolefin**  
**Operating Temperature Range: -40°C to 100°C**

This Quality Assurance Specification establishes the quality standard for a heat-shrinkable flexible polyolefin compound used to manufacture Glenair® molded components. All testing to be carried out on molded sheets 2mm thick unless otherwise specified. For system tests size S06 boots with 25mm aluminum backshells and 10mm RNF 100 (Raychem) jacketed cable shall be used. Type W2 adhesive shall be used.

Installation Temperature: Minimum 70°C, Recovered 100°C

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<b>Compound 2013 Type 9 - Materials Specification</b>		
<b>Test</b>	<b>Test Procedure</b>	<b>Test Requirement</b>
Visual Examination		Homogenous and essentially free from pinholes, bubbles, flaws, cracks and inclusions, colour is black
Tensile Strength	IEC 62329-2	12Mpa minimum
Ultimate Elongation	IEC 62329-2	500% minimum
2% Secant Modulus	IEC 62329-2	20-30 MPa
Hardness Shore A		75-85
Specific Gravity	IEC 62329-2	1.3 Max
Heat Shock 4hrs at 150°C	IEC 62329-2	No dripping or flow Tensile Strength 8 MPa minimum Ultimate Elongation 200% minimum
Heat Ageing 168hrs at 150°C	IEC 62329-2	Tensile Strength 8 MPa minimum Ultimate Elongation 200 % minimum
Low temperature Flexibility 4hrs at -40°C	IEC 62329-2	No Cracking
Flammability	IEC 62329-2	Time of burning < 120secs Length of burning < 25mm
Water Absorption 24hrs at 23°C	IEC 62329-2	0.5% maximum
Electric Strength	IEC 62329-2	10 MV/m minimum
Volume Resistivity	IEC 62329-2	10 <sup>10</sup> ohms cms minimum
Copper Mirror Corrosion 16hrs @ 150	IEC 62329-2	No Corrosion
Storage Temperature		All parts stored below 40°C before use
Dimensional Stability 14 days at 40°C	IEC 62329-2	Measured dimensional values both expanded and recovered in specification