



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



**Compound Material Performance Specifications**  
**Type 7 Material: 2071 Semi-Rigid Polyolefin**

**GTS 4080: Heat-Shrinkable Semi-Rigid Polyolefin**  
**Operating Temperature Range: -55°C to 135°C**

This Quality Assurance Specification establishes the quality standard for a heat-shrinkable compound used to manufacture Glenair® molded components. Dimensions of molded shapes are specified in SCD7090. All testing to be carried out on molded sheets 2mm thick unless otherwise specified. For system test size S06 boots with type W1 adhesive with 25mm aluminum backshells and 15mm CRNF-100 jacketed cable shall be used.

Installation Temperature: Minimum 120°C, Recovered 150°C



Compound 2071 Type 7 - Materials Specification		
Test	Test Procedure	Test Requirement
Visual Examination		Homogenous and essentially free from pinholes, bubbles, flaws, cracks and inclusions, color is black
Tensile Strength	IEC 62329-2	10.3 MPa minimum
Ultimate Elongation	IEC 62329-2	250% minimum
Hardness	IEC 62329-2	80 ±10 Shore A
Stiffness	ASTM D747	<80MPa
Specific Gravity	IEC 62329-2	<1.3
Heat Shock 4hrs at 250°C	IEC 62329-2	No dripping or flow Helical bend 20mm diameter, no cracking Tensile Strength 6.9 MPa minimum Ultimate Elongation 200% minimum
Heat Aging 168hrs at 175°C	IEC 62329-2	Tensile strength 6.9 MPa minimum Ultimate elongation 200% minimum
Low Temperature Flexibility 4hrs at -55°C	IEC 62329-2	No cracking
Flammability	IEC 62329-2	Time of burning < 60secs Length of burning < 25mm
Water Absorption 24hrs at 23°C	IEC 62329-2	0.5% maximum
Electric Strength	IEC 62329-2	8 MV/m minimum
Volume Resistivity	IEC 62329-2	10 <sup>12</sup> ohms cms minimum
Fungus Resistance	IEC 62329-1	<1
FLUID RESISTANCE 24hr Immersion at 23° C Petrol F-67, JP-5, F-34, Skydrol 500 Diesel F-75, Cleaning Fluid Deicing Fluid, 5% Salt Solution Lubricating Oils 0-156, O-236 Hydraulic Fluid H-542	IEC 62329-2	Tensile Strength > 6 MPa Elongation > 200% Test after 1 hour of removal from fluid Weight Uptake < 20%
COMPATIBILITY TESTING		
Dynamic Shear Room Temperature 100°C	IEC 62329-2	>300 N 15mm cable >30N 15mm cable
Peel Adhesion Boot to Adaptor Boot to Cable	IEC 62329-2	>60N/25mm >60N/25mm

**Glenair 2071 material meets the requirements of AS5258 Material A and SC-X15112C**