



SERIES 77
Heat Shrink Boots



Compound Material Performance Specifications
Type 3 Material: 2040 Flexible Polyolefin

A

GTS 4064: Heat-Shrinkable, Flexible Polyolefin
Temperature Range: -55°C to 135°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. Adhesive Type W2 from IEC 62329 shall be used.

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

Compound 2040 Type 3 - 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	10MPa minimum
Ultimate Elongation	IEC 62329-2	400% minimum
2% Secant Modulus	IEC 62329-2	<80 MPa
Hardness Shore A		85-90
Specific Gravity	IEC 62329-2	1.4 Max
Heat Shock 4hrs at 225°C	IEC 62329-2	No dripping or flow Tensile strength 8 MPa minimum Ultimate elongation 200% minimum
Heat Aging 168hrs at 175°C	IEC 62329-2	Tensile strength 8 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 < 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 ¹² ohms cms minimum
Copper Mirror Corrosion 16hrs @ 150°C	IEC 62329-2	No corrosion
Fungus Resistance	IEC 62329-2	Tensile strength 8MPa min Elongation at break 200% min
Fluid Resistance 24hrs immersion @ 23°C Hydraulic Fluid H-520 Hydraulic Fluid Phosphate Ester Turbine Fuel F-34 Automotive Gasoline F-67 Automotive Diesel ISO-1827 B Water	IEC 62329-2	Tensile strength 6 MPa minimum Ultimate elongation 200% minimum
Dimensional Stability 14 days at 40°C	IEC 62329-2	Measured dimensional values both expanded and recovered in specification

Material Qualifies to AS5258 Material B