



SERIES 77
Heat Shrink Boots



Type R Adhesive Quality Standards
Pre-Coated One-Part Epoxy Adhesive

A

Harness Systems Quality Assurance, GTS 4087 Specification
Suitable for Type 1 Materials
Temperature Range: -75°C to +150°C

This Quality Assurance Specification establishes the quality standard for a heat-shrinkable elastomeric boot supplied pre-coated with Type R Epoxy Adhesive. For system tests, size S06 boots with a 25mm aluminum backshells and 10mm Raychem DR25 jacketed cable shall be used. Material for boot manufacture shall comply with GTS 4025. Refer to the product guide for condition to shrink boots. All tests to be carried out 10 days after installation.

Type R Pre-Coated One-Part Epoxy Adhesive - Materials Specification

Test	Test Method	Test Requirement
Dynamic Shear Testing Test Temperature 23°C 100°C 150°C (with aluminum rod)	IEC 62329-2	Tensile Force Min 300N 110 N 30 N
Static Load Test Temperature Load 23°C 20kgs 100°C 5kgs 150° 2 kgs	IEC 62329-2	Dynamic Shear 300 N Maximum Movement 15mm
Heat Shock 4hrs at 215°C	IEC 6239-2	Peel Adhesion >60 N/25mm Dynamic Shear >300 N
Heat Aging 168hrs at 160°C	IEC 62329-2	Peel Adhesion >60 N/25mm Dynamic Shear >300 N
Fluid Resistance 24hrs Immersion @ 70°C Lubricating Oil 0-156 Aircraft Grease G-354 Hydraulic Fluid H-520 Water Turbine Fuel F-34	IEC 62329-2	Dynamic Shear 150 min
Peel Adhesion Boot to Adapter Boot to Cable	IEC 62329-2	>60 N/25mm >60 N/25mm

Material Qualified and Approved to: VG95343 part 18