



Series 77 Shrink Boots Pre-Coated Polyamide Hot Melt Adhesive Type W1 • -55°C to +125° Temperature Range

Type W1 Polyamide Hot Melt Adhesive Quality Standards

This Quality Assurance Specification establishes the quality standard for a heat-shrinkable elastomeric boot supplied pre-coated with Type W1 Hot Melt Adhesive. For system tests, part number 770-001S106 boots with 25mm aluminum backshells shall be used. Cable jacket shall be ZHTM tubing for 2010 compound, DR-25 for 2025 compound and RNF-100 for 2040 compound (tubing size 3/4 inch, supplied by Raychem). Material for boot manufacture shall comply with relative GTS specification. Refer to product guide for conditions to shrink the boots. All tests to be carried out 7 days after installation.

Harness Systems Quality Assurance Specification GTS 4067 Type W1 Pre-Coated Polyamide Hot Melt Adhesive Materials Specification

Test	Test Method	Test Requirement
Dynamic Shear Testing	IEC 6329-2	
Test Temperature		Tensile Force Min
23°C		300N
100°C		30 N
Static Load	IEC 62329-2	
Test Temperature	Load	
23°C	10kgs	Dynamic Shear 300 N
105°C	0.5kgs	Maximum Movement 15mm
Heat Shock	IEC 6239-2	Peel Adhesion >60 N/25mm
4hrs at 215°C		Dynamic Shear >300 N
Heat Aging	IEC 62329-2	Peel Adhesion >60 N/25mm
168hrs at 105°C		Dynamic Shear >300 N
Fluid Resistance	IEC 62329-2	
24hrs Immersion @ 23°C		Dynamic Shear 150 min
Lubricating Oil 0-156		
Aircraft Grease G-354		
Hydraulic Fluid H-520		
Water		
Turbine Fuel F-34		
Peel Adhesion	IEC 62329-2	
Boot to Adapter		>60 N/25mm
Boot to Cable		>60 N/25mm