

eat shrink boots provide mechanical and environmental protection to connector-toable transitions. Specially formulated polymers are injection-molded, then heated and expanded. The shape-memory property of the material allows it to return to its original shape when heated with a hot air gun. Glenair Series 77 Heat Shrink Boots are available in six material types, including Zero Halogen Polyolefin for regulated environmental safety applications and Low Outgassing Fluoropolymer Alloy that meets NASA requirements. Series 77 boots are also TACOM qualified to SC-X15111D specifications and our Type 1 high-performance material can be ordered in 10 optional colors to match cable colors or provide color coding. Properly applied, these adhesive-lined shrink boots provide a dependable, leak-proof seal for interconnect cable assemblies. The following shapes/ types are available in stock for immediate, same-day shipment:

- Lipped adapter shrink boots
- Lipless adapter shrink boots
- "Wye" and "tee" transitions
- Piggyback boot adapters

EXPANDED VS. RECOVERED BOOTS

Shrink boots are supplied in expanded form. The boot is heated, stretched on a mandrel, then cooled. The boot retains its expanded form until heat is applied. Application of heat restores the boot to its original dimensions.



Recovered Right Angle Boot

- RoHS Compliant: All Series 77 Shrink boots are fully RoHS compliant, including adhesive-lined versions
- Airbus Defense & Space, Bomabardier, Gulfstream, TACOM, NAVSEA 5617649, and AS85049: M85049/140 (straight boots, /141 (90 degree boots) and /142 (widebody transition including T, Y, and 1-to-3)



Expanded Right Angle Boot

SERIES 77

Heat Shrink Boots, Sleeves and Adapters



Shrink Boot Typical Material Properties											
Property	Type 1 High Performance Elastomer	Type 2 Zero Halogen Polyolefin	Type 3 General Purpose Polyolefin	Type 5 Viton Fluoroelastomer Blend	Type 6 High Performance Elastomer Alloy	Type 7 Flexible Polyolefin	Type 8 Low Outgassing Fluoropolymer Alloy	Type 9 Low Temp Flexible Polyolefin			
Flexibility	Semi-rigid	Semi-flexible	Flexible	Flexible	Flexible	Highly Flexible	Semi-rigid	Flexible			
Operating Temperature Range	-75°C to +150°C	-40°C to +130°C	-55°C to +135°C	-55°C to +150°C	-55°C to +135°C	-55°C to +135°C	-50° C to +175° C	-40° C to +100° C			
Shrink Temperature (min.)	135℃	120℃	120℃	135℃	135℃	120℃	135°	70°			
Tensile Strength (psi)	1700	1100	1400	2200	1500	1400	1700	1700			
Elongation (% min.)	400	250	400	400	300	250	300	500			
Thermal Endurance (Elongation 50% min)	3000 hrs, 150℃	3000 hrs, 130℃									
Heat Shock	4 hrs, 215℃	4 hrs, 200℃	4 hrs, 225℃	4 hrs, 225℃	4 hrs, 220℃	4 hrs, 250℃	4 hrs, 225℃	4 hrs, 150℃			
Heat Aging	168 hrs, 160℃	168 hrs, 175℃	168 hrs, 175℃	168 hrs, 150℃	168 hrs, 150℃	168 hrs, 175℃	168 hrs, 150℃	168 hrs, 175℃			
Dielectric Strength (V/mil)	300	380	250	200	200	300	200	200			
Volume Resistivity (ohms-cm)	10 ¹³	1012	1012	1010	10 ¹⁰	10 ¹²	10 ¹⁰	10 ¹⁰			
Water Absorption (%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
Flammability	Burn Time <15 sec Burn Length <25mm	Burn Time <15 sec Burn Length <25mm	Burn Time <120 sec Burn Length <25mm	Burn Time <120 sec Burn Length <25mm	Burn Time <120 sec Burn Length <25mm	Burn Time <90 sec Burn Length <25mm	Burn Time <60 sec Burn Length <25mm	Burn Time <120 sec Burn Length <25mm			
RoHS Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Oxygen Index (% min.)		>30%									
Temperature Index (°C)		>250° C									
Smoke Index (max.)		<20									
Toxicity Index (max.)		<3 Per 100 gms									
Outgassing							CVCM <0.1% TML <1%				

Shrink Boot Fluid Resistance												
Fluid	Type 1 High Performance Elastomer	Type 2 Zero Halogen Polyolefin	Type 3 General Purpose Polyolefin	Type 5 Viton Fluoroelastomer Blend	Type 6 High Performance Elastomer Alloy	Type 7 Flexible Polyolefin	Type 8 Low Outgassing Fluoropolymer Alloy	Type 9 Low Temp Flexible Polyolefin				
Lubricating Oil	Very good	Good	Good	Excellent	Excellent	Good	Excellent	Fair				
Hydraulic Fluid	Very Good	Good	Good	Excellent	Excellent	Good	Excellent	Fair				
Aviation Fuel	Very Good	Good	Good	Excellent	Excellent	Fair	Excellent	Fair				
Gasoline	Very Good	Fair	Fair	Excellent	Excellent	Good	Excellent	Fair				
De-Icing Fluid	Excellent	Very Good	Good	Excellent	Excellent	Good	Excellent	Fair				
Automotive Diesel	Good	Fair	Very Good	Excellent	Excellent	Fair	Excellent	Fair				