



Autoshrink™ D (Duralectric™ formula GPS67) General-Purpose, High UV-Resistance, LSZH

AUTOSHRINK™ D

Autoshrink™ D is a high-performance elastomeric material (Glenair Duralectric™ formula polymer GPS67) cold-action molded shape shrink boot and shrink tubing solution for general-purpose use in military and commercial aerospace electrical wire interconnect systems and other harsh wire protection, sealing, and repair applications.

NOTABLE ATTRIBUTES

- **Service temperature range: -65°C to 225°C**
- **Fire resistant and Low smoke-zero halogen (LSZH)**
- **General-purpose resistance to common aerospace, military and industrial fluids**
- **Large cold shrink ratio for fast application and assembly as well as durable split-resistant performance**
- **For use with Duralectric™ jacket materials and adhesive 779-005**

Autoshrink™ D Physical Properties		
Property	Typical Result	Test Method
Hardness, Shore A	60	ASTM D2240
Tensile Strength, psi	1100	ASTM D412
Elongation, %	500	ASTM D412
Tear Strength, Die B, ppi	150	ASTM D624
Low Temperature Impact at -65°C	Pass/No Cracks	ASTM D2137
Accelerated UV/Sunlight Resistance, 53 Year Equivalent Exposure	Pass/Excellent	IEC 60068-2-5
Ozone Resistance	Pass/No Cracks	ASTM D1149
Zero Halogen	Pass	IEC 754-1

Autoshrink™ D Electrical Properties		
Property	Typical Result	Test Method
Dielectric Strength, kV/mm	19	ASTM D419
Comparative Tracking Index, VAC	> 600	ASTM D3638

Autoshrink™ D Fire Resistance Properties	
Property	Typical Result
Flammability	
Oxygen Index, %	45
FAR 25.853, 12 Second Vertical	Pass
FAR 25.853, 60 Degree	Pass
FAR 27.1365 b,c	Pass
BSS7230 Method F2	Pass
IEC60614-1	Pass
EN60695-2-12, 850°C Glow-Wire	Pass
UL1685 FT4/IEEE1202	Pass
Smoke Density	
BSS7238	Pass
NES 711	Pass
EN 60695-2-11	Pass
UL1685 FT4/IEEE1202	Pass
Combustion Toxicity	
BSS7239	Pass
NES 713	Pass
SMP800 C	Pass

IMPORTANT NOTE

Data are generated in accordance with prevailing national and international test standards and should be used only for material comparison. Actual property values are highly dependent on part geometry, mold configuration, and processing conditions. Please contact the factory to discuss the use of Autoshrink™ D in specific applications or environments.

Autoshrink™ F (Duraelectric™ F GPS125) Advanced Fluid / Solvent Resistance

AUTOSHRINK™ F

Autoshrink™ F is a high-performance elastomeric material (Glenair Duraelectric™ F formula polymer GPS125) cold-action molded shape shrink boot and shrink tubing solution for application-specific use in military and commercial aerospace electrical wire interconnect systems and other harsh wire protection, sealing, and repair applications. Autoshrink™ F is highly resistant to aircraft industry jet fuels, oils, solvents, and cleaners.

NOTABLE ATTRIBUTES

- **Service temperature range: -65°C to 200°C**
- **Fire resistant and suitable for immersion in jet fuel, diesel, lubricants, and solvents**
- **Large cold shrink ratio for fast application and assembly as well as durable split-resistant performance**
- **For use with Duraelectric™ jacket materials and adhesive 779-006**

Autoshrink™ F Physical Properties		
Property	Typical Result	Test Method
Hardness, Shore A	55	ASTM D2240
Tensile Strength, psi	1200	ASTM D412
Elongation, %	400	ASTM D412
Tear Strength, Die B, ppi	200	ASTM D624
Low Temperature Impact at -65°C	Pass/No Cracks	ASTM D2137
Ozone Resistance	Pass/No Cracks	ASTM D518

Autoshrink™ F Electrical Properties		
Property	Typical Result	Test Method
Dielectric Strength, kV/mm	14	ASTM D149

Autoshrink™ F Fluid Resistance ASTM D471 Immersion		
A-A-52624A Type I and Type II	2-Ethylhexyl Sebacate	MIL-L-23699 Gas Turbine Engine Oil
Amerex AFFF Fire Extinguishing Foam	Isooctane	Plexol 201
AMS 1432 Potassium Acetate De-Icer	70/30 Isooctane / Toluene	Polyol Esters
AMS 2629	Isopropyl Alcohol	Propylene Glycol Antifreeze
AMS3021	Jet A	Royco 500 Gas Turbine Engine Oil
Boiling Water	JET Oil	Royco 756 Hydraulic Fluid
Calla 855 Aircraft Cleaner	JP-8	TT-I-735
Coolanol 25R Silicate Ester Fluid	MIL-C-85570 Aircraft Cleaner	TTS-735 TY I & III
Diesel #2	MIL-C-87252 Coolant	
E36 Runway De-Icer	MIL-H-5606 Hydraulic Fluid	
Duraelectric™ F is not recommended for continuous immersion in phosphate ester fluids such as Skydrol or HyJet.		

IMPORTANT NOTE

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Autoshrink™ S (Subsea formula GPS153) Underwater Sealing, LSZH

AUTOSHRINK™ S

Autoshrink™ S is a high-performance polymer material (Glenair Subsea formula GPS153) cold-action molded shape shrink boot and shrink tubing solution with strong bonding and sealing performance when used with oil and gas industry underwater cables. Autoshrink™ S maybe employed in subsea harsh-environment wire protection, sealing, and repair applications.

NOTABLE ATTRIBUTES

- Service temperature range: -40°C to 100°C
- Low smoke-zero halogen (LSZH)
- Resistant to common industrial and environmental fluids
- Large cold shrink ratio for fast application and assembly as well as durable split-resistant performance
- Strong bonding and sealing performance when used with subsea adhesive 779-007

Autoshrink™ S Physical Properties		
Property	Typical Result	Test Method
Hardness, Shore A	50	ASTM D2240
Tensile Strength, psi	1900	ASTM D412
Elongation, %	540	ASTM D412
Tear Strength, Die B, ppi	200	ASTM D624
Low Temperature Impact at -40°C	Pass/No Cracks	ASTM D2137
Ozone Resistance	Pass/No Cracks	ASTM D1149
Zero Halogen	Pass	IEC 754-1

Autoshrink™ S Electrical Properties		
Property	Typical Result	Test Method
Dielectric Strength, kV/mm	12	ASTM D149

Autoshrink™ S Fluid Resistance Immersion	
	Mineral Oil
	Boiling Water

IMPORTANT NOTE

Data are generated in accordance with prevailing national and international test standards and should be used only for material comparison. Actual property values are highly dependent on part geometry, mold configuration, and processing conditions. Please contact the factory to discuss the use of Autoshrink™ S in specific applications or environments.

**Autoshrink™ T (ThermaRex™ formula GPS139)
Extreme Temperature Tolerance, LSZH**

AUTOSHRINK™ T

Autoshrink™ T is a high-performance rubber material (Glenair ThermaRex formula GPS139) cold-action molded shape shrink boot and shrink tubing solution for use in high-temperature applications in military and commercial aerospace electrical wire interconnect systems and other harsh-environment wire protection, sealing, and repair applications.

NOTABLE ATTRIBUTES

- Service temperature range: -65°C to 300°C
- Fire resistant and low smoke-zero halogen (LSZH)
- Resistant to common aerospace, military and industrial fluids
- Large cold shrink ratio for fast application and assembly as well as durable split-resistant performance
- For use with ThermaRex jacket materials and adhesive 779-008

Autoshrink™ T Physical Properties		
Property	Typical Result	Test Method
Hardness, Shore A	50	ASTM D2240
Tensile Strength, psi	1000	ASTM D412
Elongation, %	350	ASTM D412
Tear Strength, Die B, ppi	100	ASTM D624
Low Temperature Impact at -65°C	Pass/No Cracks	ASTM D2137
Ozone Resistance	Pass/No Cracks	ASTM D1149
Zero Halogen	Pass	IEC 754-1

Autoshrink™ T Electrical Properties		
Property	Typical Result	Test Method
Dielectric Strength, kV/mm	18	ASTM D149

IMPORTANT NOTE

Data are generated in accordance with prevailing national and international test standards and should be used only for material comparison. Actual property values are highly dependent on part geometry, mold configuration, and processing conditions. Please contact the factory to discuss the use of Autoshrink™ T in specific applications or environments.