

SERIES 77 Material Performance Data



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 260°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 60754-1 |

| 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.

NASA MAPTIS
Material Code 09594