Duralectric™ D performance specifications

Duralectric™ D is a high-performance elastomeric material for use as wire insulation, cable jacketing, conduit jacketing, cable/conduit overmolding, and Autoshrink™ tubing and boots.

NOTABLE ATTRIBUTES

- **Service Temperature Range: -65°C to 200°C**
- **Fire Resistant and Low Smoke-Zero Halogen (LSZH), PFAS-free**
- **Resistant to common aerospace, military and industrial fluids**
- **NASA MAPTIS Registered, material code 09717**

Duralectric™ 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

Duralectric™ D - Electrical Properties		
Property	**Typical Result**	**Test Method**
Dielectric Strength, kV/mm	19	ASTM D149
Comparative Tracking Index, VAC	> 600	ASTM D3638

Duralectric™ 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 Duralectric™ D in specific applications or environments.

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Dimensions in Inches (millimeters) are subject to change without notice.