Duralectric™ K performance specifications

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

NOTABLE ATTRIBUTES

- **Service Temperature Range: -110°C to 200°C**
- **Fire Resistant and Low Smoke-Zero Halogen (LSZH)**
- **Resistant to common aerospace, military and industrial fluids**
- **Resistant to gamma radiation**

Duralectric™ K Physical Properties		
Property	**Typical Result**	**Test Method**
Hardness, Shore A	55	ASTM D2240
Tensile Strength, psi	1000	ASTM D412
Elongation, %	500	ASTM D412
Tear Strength, Die B, ppi	225	ASTM D624
Low Temperature Impact at -110°C	Pass/No Cracks	ASTM D2137
Ozone Resistance	Pass/No Cracks	ASTM D518
Zero Halogen	Pass	IEC 754-1
Gamma Radiation Resistance, Max Total Lifetime Dose, MRad	100	ASTM D412

Duralectric™ K Electrical Properties		
Property	**Typical Result**	**Test Method**
Dielectric Strength, kV/mm	15	ASTM D419

Duralectric™ K Fluid Resistance MIL-STD-810G, Method 504, Procedure II	
A-A-52624A Type I and Type II	MIL-L-23699 Gas Turbine Engine Oil
Amerex AFFF Fire Extinguishing Foam	MIBK
AMS 1432 Potassium Acetate De-Icer	Propylene Glycol Antifreeze
Calla 855 Aircraft Cleaner	R-134 Refrigerant
Coolanol 25R Silicate Ester Fluid	Royco 500 Gas Turbine Engine Oil
E36 Runway De-Icer	Royco 756 Hydraulic Fluid
Isopropyl Alcohol	MIL-H-5606 Hydraulic Fluid
JP-8	TT-I-735
MIL-C-85570 Aircraft Cleaner	Boiling Water
MIL-C-87252 Coolant	
Duralectric™ K is not recommended for continuous immersion in petroleum based fuels, solvents, crude oil, or Type V phosphate ester fluids.	

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™ K in specific applications or environments.