Duralectric™ F performance specifications

Duralectric™ F is a high-performance elastomeric material for use as 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 suitable for immersion in jet fuel, diesel, lubricants, and solvents**

Duralectric™ 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

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

Duralectric™ 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	
Duralectric™ F is not recommended for continuous immersion in phosphate ester fluids such as Skydrol or HyJet.		

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™ F in specific applications or environments.