TECHNICAL DATASHEET

Duralectric™ Light
High-performance elastomeric material

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

NOTABLE ATTRIBUTES

- **Service Temperature Range: -65°C to 200°C**
- **Fire Resistant and Low Smoke-Zero Halogen (LSZH)**
- **Excellent abrasion resistance**
- **30% lighter than original Duralectric™**
- **50% lighter than Teflon**

Duralectric™ Light - Physical Properties		
Property	**Typical Result**	**Test Method**
Hardness, Shore A	60	ASTM D2240
Tensile Strength, psi	850	ASTM D412
Elongation, %	300	ASTM D412
Tear Strength, Die B, ppi	125	ASTM D624
Low Temperature Impact at -65°C	Pass/No Cracks	ASTM D2137
Ozone Resistance	Pass/No Cracks	ASTM D518
Zero Halogen	Pass	IEC 754-1
Density, g/cm^3	0.96	ASTM D297
Taber Abrasion, 1500 cycles, weight loss mg/cycle	<.005	ASTM D3389

Duralectric™ Light - Electrical Properties		
Property	**Typical Result**	**Test Method**
Dielectric Strength, kV/mm	16	ASTM D419
Insulation resistance, GOhm	> 100	ASTM D257
Dielectric constant	2.47	ASTM D150

Duralectric™ Light - Fire Resistance Properties	
Property	**Typical Result**
Flammability	
Oxygen Index, %	36
FAR 25.853, 60 Second Vertical	Pass
BSS7230 Method F6	Pass
Smoke Density	
BSS7238	Pass
Combustion Toxicity	
BSS7239	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™ Light in specific applications or environments.