Duralectric™ Adhesive

Duralectric™ Adhesive, Part Number 779-005

Duralectric Adhesive is a one-part, high strength, room-temperature curing adhesive used for sealing Duralectric Autoshrink boots onto connectors, accessories and Duralectric elastomeric cable jacketing.

NOTABLE ATTRIBUTES

- **Service Temperature Range: -65°C to 225°C**
- **Meets MIL-A-46146 Group II Type I**
- **Strong adhesion to Duralectric, aluminum, and stainless steel**

Duralectric™ Adhesive Physical Properties		
Property	**Typical Result**	**Test Method**
Hardness, Shore A	40	ASTM D2240
Tensile Strength, psi	800	ASTM D412
Elongation, %	600	ASTM D412
Tear Strength, Die B, ppi	200	ASTM D624
Lap Shear Strength, psi	1650	ASTM D1002

Duralectric™ Adhesive Electrical Properties		
Property	**Typical Result**	**Test Method**
Dielectric Strength, kV/mm	19	ASTM D419

Duralectric™ Adhesive, Part Number 779-005

APPLICATION AND CURING INSTRUCTIONS

Substrates should be lightly abraded, if possible, to facilitate a stronger bond. Clean and degrease substrates with MEK, xylene, or acetone and allow solvent to evaporate prior to applying the Duralectric Adhesive.

Duralectric Adhesive uses moisture in the air to facilitate curing and requires 20% to 85% relative humidity. Do not immerse in water to cure.

Working time is generally at least 30 minutes before the outer skin of the adhesive begins to cure.

Curing may be accelerated with the addition of heat up to 65°C (149°F) for 2 hours.

Complete cure and full physical properties are achieved after 48 to 72 hours, depending on the curing environment and amount of adhesive applied.

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™ in specific applications or environments.