



## Certified Test Report

**ERMCO Components, Inc.**

### Low Voltage Bushing with Integral Mounting

#### Model Numbers 9U10BAA00-

The ERMCO Components, Inc. Low Voltage Bushing is molded from Dupont High Temperature Nylon and meets or exceeds all ECI and Industry requirements.

#### ELECTRICAL PERFORMANCE:

- **Maximum Continuous Line to Ground Voltage** **600 Volts RMS**
- **Continuous Current** **420 Amps rms**
- **Short-Time Current Rating:**
- **0.25 second duration (6 shots)** **15,000 Amp rms Sym**
- **2.0 second duration (1 shot)** **15,000 Amp rms Sym**
- **Basic Impulse Level (1.2 x 50 micro-second wave)** **30kV Crest**
- **60 Hertz Hipot (one minute)** **10kV rms**

#### MECHANICAL PERFORMANCE:

- **The bushing conforms to industry standard practice.**
- **Direct stud push-out force exceeds 3500 lbs**
- **Stud twists off before rotating in molding**
- **80 ft lbs cantilever bends stud without causing damage to bushing.**
- **Seal integrity between the molding compound and the current carrying stud certified using Helium mass spectrometer at  $1.0 \times 10^{-6}$  atm cc/sec sensitivity.**

#### THERMAL PERFORMANCE:

- **The ERMCO Components, Inc. Tri Clamp Bushing exhibited no cracking and passed electrical tests after thermal cycling between -40°C and 150°C (10 cycles, one cycle / day, six hours transition, six hours dwell).**

**Date:** 06/24/02

**Name:** Finn Hassing

**Title:** Sr. Engineer, ECI