



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 1.0×10^{-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

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