



Plastic Pedestals Environmental Specifications

1. Scope

This document and information contained within are applicable to FIBERSOURCE INC. standard 0808, 1010, 1212, 1431 and 1831 plastic pedestal bases, housing covers and assemblies.

2. Features

FIBERSOURCE Plastic Pedestals contain the Diversified SlamLock® feature. The Diversified Control SlamLock® is self-locking. Diversified StarLock® Key and/or 216 Tool locks are available.

- All metals and hardware are stainless steel, zinc plated, or powder coated.
- A variety of stakes, shelves, hooks, and frames are available options for mounting terminal blocks and taps.
- No rubber compounds are used.
- Each batch of plastics color is measured and held within the color standards for Delta L, Delta a, Delta b and Delta E.

3. Chemical Resistance

All chemical tests listed have been successfully passed on painted metal and plastic material.

Plastic components are subjected to 90 days exposure tests with the following chemicals:

- 3% H₂SO₄ (sulfuric acid)
- 0.2N NaOH (sodium hydroxide)
- NH₃ (ammonia)
- 90% Isopropyl Alcohol
- Kerosene

4. Flammability Testing

Flammability tests are conducted per UL 94 Type 5V on actual production parts.

5. QUV Testing

QUV weathering tests:

8 hour cycles at 70°F lighted, 4 hours dark with condensation at 50°F, testing was conducted about every 1,000 hours. No part degradation or plastic parts has occurred following 5,000 hours of testing.

6. Thermal Cycling

Production plastic pedestals have been exposed to the following conditions:

- Initial Temperature = ambient 21°- 23°C
- Heating to 75°C and held for 3.6 hours.
- Cooling to -23°C and held for 3.6 hours.
- Held at -23°C for 65 hours.
- Heating to 73°C and held for 7 hours.
- Cooling to -23°C and held for 47 hours.

Form, Fit and Functional inspections were performed after each cycle with no concerning issues.

7. Impact Resistance

Production models are regularly tested at impact forces up to 170ft-lbs.

Cold impact tests are performed up to 100ftlb

*Call your FiberSource Representative for type availability. Some variations may have limited availability or may be subject to minimum order

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