



Testing Overview

CROSSARM

Unyielding Quality, Service, Value

The name **Atropos** signifies our core principle -- **unyielding performance**. Atropos composite crossarms are engineered to deliver the highest mechanical integrity, electrical reliability, and long-term value in field applications.

All Atropos products are subjected to a comprehensive testing and validation program designed to ensure compliance with, and exceedance of, applicable industry standards. Testing is performed internally under controlled conditions and externally through accredited independent laboratories.

Evaluation methods include:

- **Mechanical Testing:** Verification of load capacity, deflection, and failure thresholds under static and dynamic conditions.
- **UV Exposure Testing:** Accelerated weathering and material degradation analysis to ensure long-term structural stability and performance under continuous ultraviolet exposure.
- **Electrical Testing:** Dielectric, leakage current, and tracking resistance tests to validate electrical insulation properties and field reliability.

This ongoing and redundant testing process enables Atropos to maintain consistent product performance and ensures our crossarms provide superior durability and value over their operational lifespan.

Meets and Exceeds Standards

Please contact Atropos to request test results and more details.

- ASTM D8019 Full Section Mechanical Test
- ASTM G154 UV Exposure Resistance 10,000-Hour Test
- ASTM D149 Dielectric Breakdown Test
- ASTM D695 Compression Properties Test
- ASTM D3039 Tensile Properties Test
- ASTM D3801 UL94A Flammability Test
- ASTM E662 Optical Smoke Density Test
- IEEE Standard 4-2013 High-Voltage Flashover Test
- Rural Utility Services (RUS) Longitudinal Pin Test
- Rural Utility Services (RUS) Transverse Pin Test
- Center Mounts Structural Test



CONTACT US

UNYIELDING QUALITY, SERVICE, VALUE

For more information on Atropos composite crossarms and other atropos infrastructure products, please contact us.

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