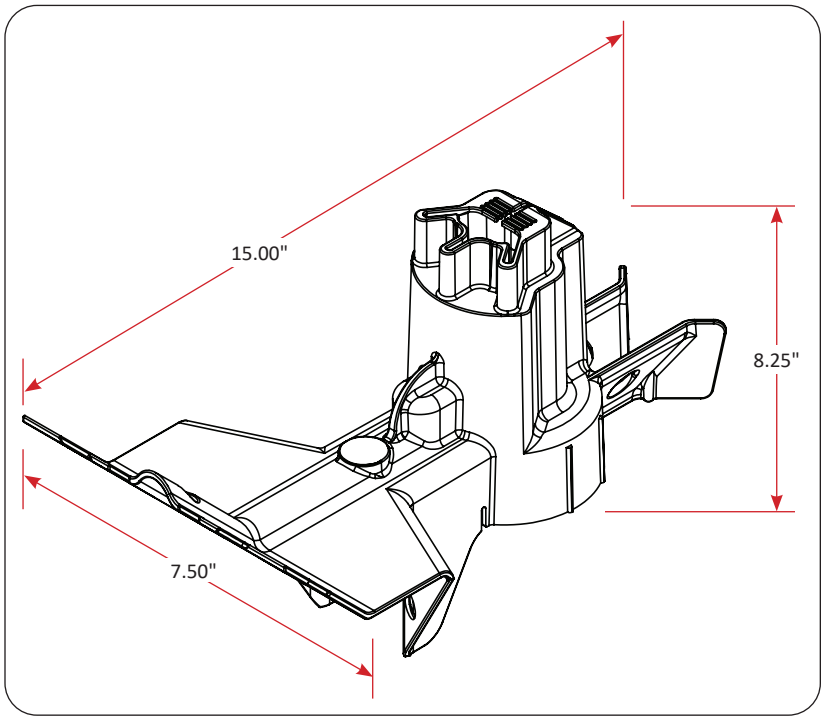
RAUCKMAN™
Utility Products

W-520 Cutout Cover

Reduce Wildlife Related Outages

Rauckman Utility Products Cutout Cover Model W-520 is designed to fit on most distribution voltage cutouts using Polymer or Porcelain bushings.

Rauckman Utility Products Outage Protection devices are designed and tested to minimize animal related outages and provide additional arc protection without compromising equipment performance. All of Rauckman's animal mitigation devices increase reliability while decreasing unplanned interruptions of service.



W-520 Cutout Cover Mounted on a Polymer Bushing Cutout

APPLICATION

- For use on distribution voltage cutouts up to 38 kV
- RUP W-520 Cutout Covers can be installed using a shotgun stick or rubber gloves.
- One-Piece construction with no pins or buttons.
- Ample room for the use of portable load-break tools

SPECIFICATIONS

- UV: Higher Ultra-Violet (UV) stability including Hindered Amine Light Stabilization (HALS)
- High Dielectric: Superior Electrical Properties by using a track-resistant high dielectric material that remains stable even in the most severe environments
- Flame Retardant: Meets the V-0 criteria of Underwriters' Laboratory Standard UL-94

ORDERING INFORMATION

Catalog No.	Description	Material	Color	Overall Dim.	Weight Each	Units in Std. Box
W-520	Cutout Cover	RUPP0014	Grey	8.25" H x 7.50" W x 15.00" L	12.9 oz.	12

MATERIAL CHARACTERISTICS RUPP0014

Rauckman Utility Products materials are specifically formulated and compounded for the rigorous requirements of an energized application on an electric utility system. Materials used include base polymer resins supplemented by additives to enhance color, flame retardants, ultra-violet inhibitors, impact modifiers and ozone inhibitors.

The mitigation products listed here are molded from an engineered polypropylene resin matrix identified as formula **RUPP0014**.

Mechanical Characteristic Ratings

Impact Strength, Izod		
Notched 1/8" (3.2 mm) Section:	11.0 ft-lbs/in	ASTM D256
Un-notched 1/8" (3.2 mm) Section:	No Break	ASTM D4812
Tensile Strength:	2500 psi	ASTM D638
Tensile Elongation:	> 100%	ASTM D638
Tensile Modulus:	0.14 x 106 psi	ASTM D638
Flexural Strength:	3400 psi	ASTM D790
Flexural Modulus:	0.12 x 10^6 psi	ASTM D790

FLAMMABILITY — UL 94 / IEC 60695

Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances.

Unexposed Sample

CLASSIFICATION: V-0

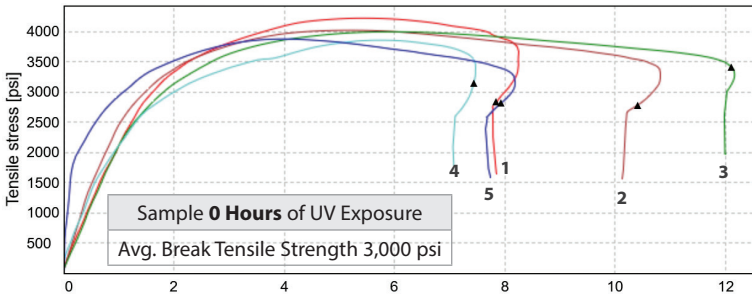
After 1,000 Hours of UV - ASTM D4329/G154

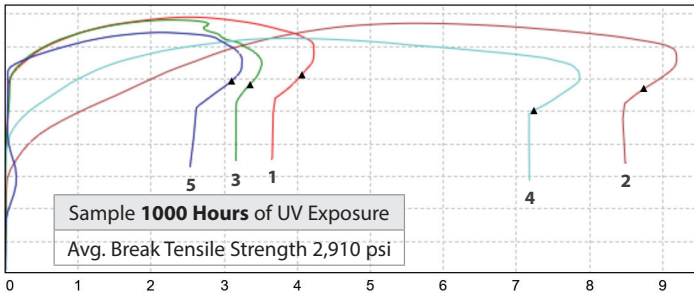
CLASSIFICATION: V-0

Classification Criterion

- Specimen: Length 125 mm (5 in) x Width 13 mm (0.5 in) x Thickness 1.5 mm (1/16 in)
- Procedure: Vertical burn test with 20mm flame applied for two 10 sec intervals separated by the time it takes for flaming combustion to stop after the first application of the flame.
- V-0 Criteria: Burning stops within 10 sec. No flaming drip are allowed

MECHANICAL STRENGTH — ASTM D638





DIELECTRIC STRENGTH — ASTM D149

Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies.

Unexposed Sample

Specimen Thickness:	0.123" (123 mil)
Puncture Voltage:	78.1 kV
Volts / mil:	636 Volt / mil

After 1,000 Hours of UV - ASTM D4329/G154

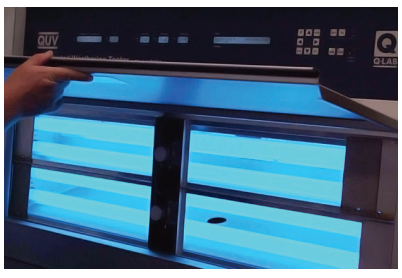
Specimen Thickness:	0.123" (123 mil)
Puncture Voltage:	73.4 kV
Volts / mil:	598 Volt / mil

ULTRAVIOLET (UV) TESTING — ASTM D4329 in accordance with ASTM G154

Samples in tests shown above were UV exposed per Standard Practice for Fluorescent UV Exposure of Plastics done in accordance with Standard Practice for Operating Fluorescent UV Lamp Apparatus for Exposure of Nonmetallic Materials.

Cycle Method 1 from ASTM G154

Lamp Type:	Fluorescent UVA-340
Typical Irradiance:	0.89 W/m^2/mm
Approx. Wavelength:	340 nm
Repeating Exposure Cycle:	8 hr UV @ 60° C 4 hr Condensation @ 50° C



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