## **RAUCKMAN** Utility Products

# W-550 Cutout Cover

**Reduce Wildlife Related Outages** 

# Rauckman Utility Products Cutout Cover Model W-550 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-550 Cover Mounted on a Polymer Bushing Cutout

## INSTALLATION

- For use on distribution voltage cutouts up to 38 kV
- ▶ RUP W-550 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-550	Cutout Cover	RUPP0014	Grey	8.25" H x 8.00" W x 15.00" L	14.7 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.

#### FLAMMABILITY — UL 94 / IEC 60695

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

#### **Classification Criterion**

- **CLASSIFICATION: V-0** After 1.000 Hours of UV - ASTM D4329/G154

**CLASSIFICATION: V-0** 

Specimen: Length 125 mm (5 in) x Width 13 mm (0.5 in) x Thickness 1.5 mm (1/16 in)

**Mechanical Characteristic Ratings** 

Notched 1/8" (3.2 mm) Section:

Un-notched 1/8" (3.2 mm) Section:

Impact Strength, Izod

**Tensile Strength:** 

**Tensile Elongation:** 

**Tensile Modulus:** 

Flexural Strength:

Flexural Modulus:

- 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:**
- **Puncture Voltage:**
- Volts / mil:
- 0.123" (123 mil) 78.1 kV 636 Volt / mil

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

11.0 ft-lbs/in

No Break

2500 psi

> 100%

3400 psi

0.14 x 106 psi

0.12 x 106 psi

ASTM D256

ASTM D4812

ASTM D638

ASTM D638

ASTM D638

ASTM D790

ASTM D790

**Specimen Thickness: Puncture Voltage:** 

Volts / mil:

- 0.123" (123 mil) 73.4 kV
  - 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 ASTN	<u>4 G154</u>	
	Lamp Type:	Fluorescent UVA-340	
	Typical Irradiance:	0.89 W/m2/mm	
	Approx. Wavelength:	340 nm	
	• Repeating Exposure Cycle:	8 hr UV @ 60° C 4 hr Condensation @ 50° C	
0 Hours 1,046 Hours			

#### **Rauckman Utility Products, LLC.**

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