RAUCKMAN™
Utility Products

Bushing Covers
Solid & Mesh

Solid Wall and Inspection Ready Bushing Covers

Bushing Covers are used in a variety of utility applications such as transformers, breakers, reclosers and capacitors to name a few.

Better Design through Innovation

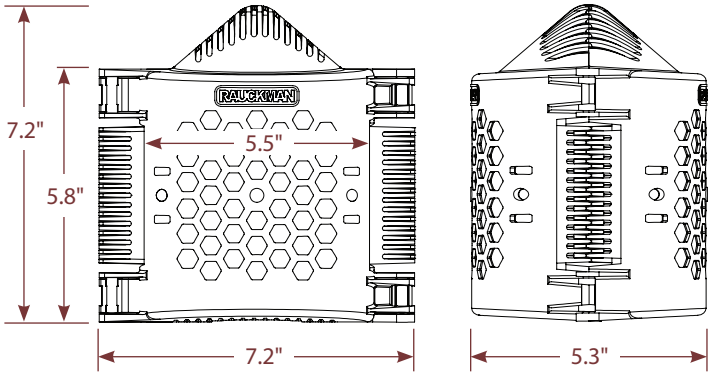
- Proven material; with over 25 years in electric utility applications
- Self extinguishing V-0 flammability rating
- Ultra violet resistant material
- Easy installation and removal
- Made in the USA

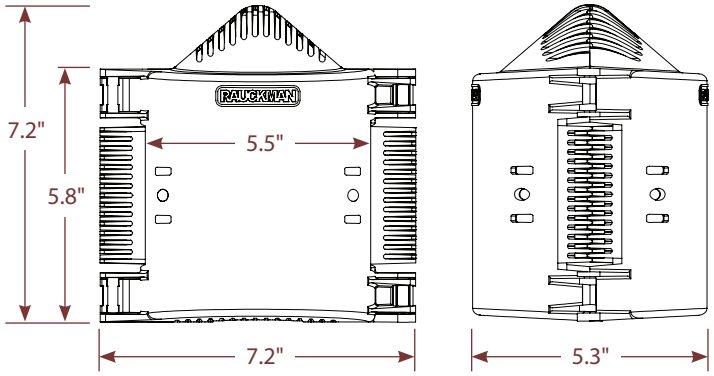
MADE IN THE USA

Mesh Enclosure on a transformer bushing

Thermal & Visual Inspection Ready Mesh Enclosure

Traditional Solid Enclosure





ORDERING INFORMATION

Catalog No.	Description	Enclosure	Inside Core Min / Max		Outside Shed Min / Max		Nominal Height	Color	Weight	Std. Package
W-BC050600MR	Bushing Cover, 2-part hinged snap closure	Mesh	1.5"	3.5"	2.5"	5"	6"	Red	6.8 oz.	20
W-BC050600MG	Bushing Cover, 2-part hinged snap closure	Mesh	1.5"	3.5"	2.5"	5"	6"	Grey	6.8 oz.	20
W-BC050600SR	Bushing Cover, 2-part hinged snap closure	Solid	1.5"	3.5"	2.5"	5"	6"	Red	7.5 oz.	20
W-BC050600SG	Bushing Cover, 2-part hinged snap closure	Solid	1.5"	3.5"	2.5"	5"	6"	Grey	7.5 oz.	20

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 10^6 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.

Un-Exposed Sample

CLASSIFICATION: V-0

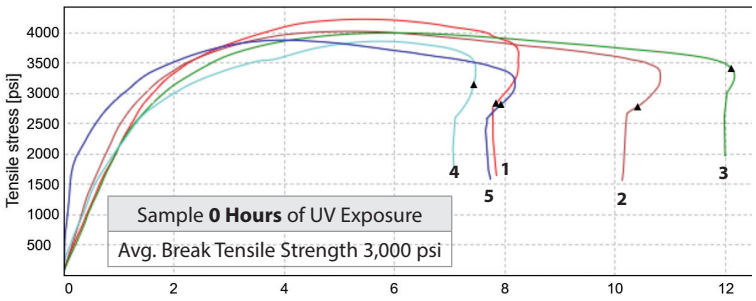
After 1,000 Hours of UV - ASTM D4329/G154

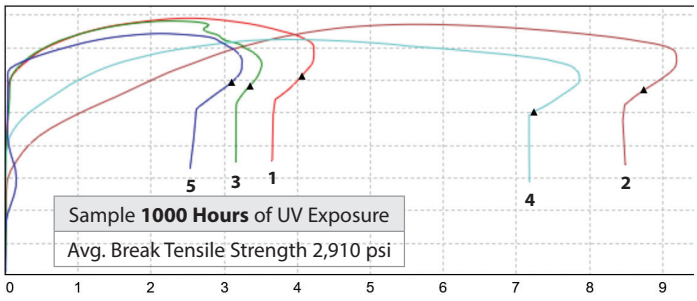
CLASSIFICATION: V-0

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.

Un-Exposed 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

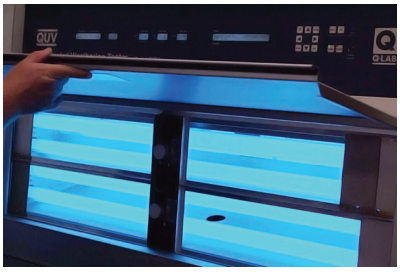
▶ Specimen Thickness:	0.123" (123 mil)
▶ Puncture Voltage:	73.4 kV
▶ Volts / mil:	598 Volt / mil

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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