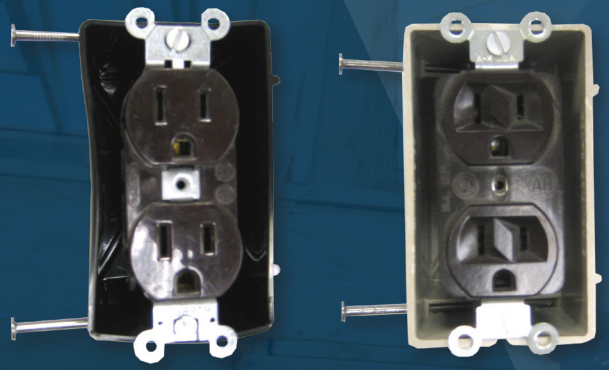
## Fiberglass vs PVC

Our premium fiberglass electrical boxes carry a variety of unique features and benefits when compared to similar PVC box products. Our tests below compare the two box products and their ability to stand up to extreme temperatures.

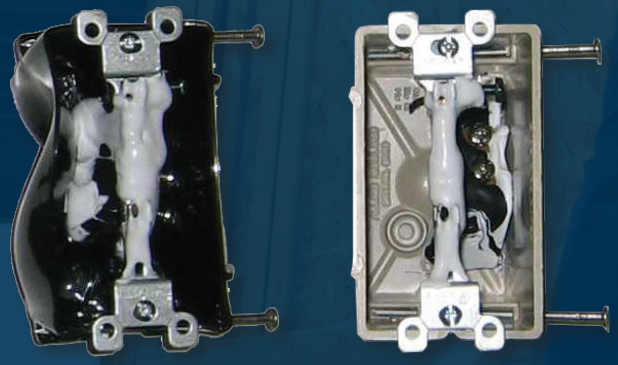
## UL® Oven Temperature Test

The parts below were subjected to an oven temperature of 194°F for 7 hours. This is a UL® required stress test. The test assimilates what happens to outlet boxes that are stored in an equipment truck or car trunk where the temperature is elevated. PVC products are prone to distortion in shape.



PVC Fiberglass

The parts below were subjected to an oven temperature of 350°F for 30 minutes. This test represents the significant differences between basic PVC boxes and the premium fiberglass reinforced boxes. This may mean the difference between containing a fire and contributing to a fire.



PVC Fiberglass

**Fire Rated**
FOR MORE APPLICATIONS

Industry Exclusive Fire Rating Turns Up the Heat on the Competition

**Sound Resistant**
WITHOUT ADDITIONAL MATERIALS

Sound Transmission Class Rating Quietly Saves You Even More

**Air-Sealed**
FOR ENERGY EFFICIENCY

Increased Energy Savings, Reduced Installation Costs

ALLIED MOULDED PRODUCTS, Inc.

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Bryan, Ohio 43506

P: 419-636-4217
sales@alliedmoulded.com
Learn more at www.alliedmoulded.com

2017

# fiberglass BOX™

THE PREMIUM BRAND OF OUTLET BOX

# HEAVY DUTY BOXES

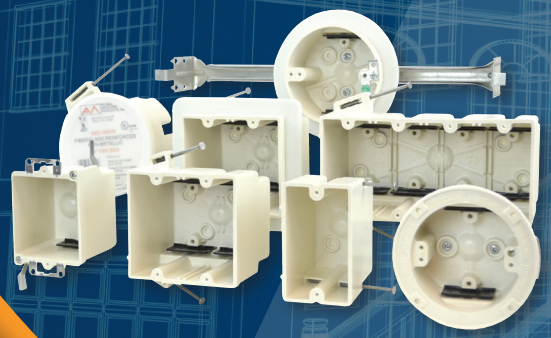
ALLIED MOULDED PRODUCTS, Inc.

## Labor Saving Features

With innovative products designed for the electrical contractor, Allied Moulded offers the largest, most complete line of box sizes in the industry for a wide variety of applications.

Allied Moulded switch and outlet boxes are molded of impact-resistant, high strength fiberglass reinforced thermoset polyester material. Our fiberglassBOX™ "Premier Series" line of products was created for the electrical contractor looking for nonmetallic outlet boxes with "hard box" characteristics. Allied Moulded's fiberglassBOX™ line offers the following advantages.

- Non-corrosive
- Non-conductive
- Non-distorting in high heat
- Will not melt
- Impact resistant in cold temperatures
- Lightweight
- Heat insulator
- Rigid box prevents distortion during drywall installation



**To view our complete line of high quality residential outlet box products, visit us online at:**
**www.alliedmoulded.com**

## fiberglassBOX™ Series Features & Benefits

(A) Offset ribs on box give positive stop for the proper wall thickness

(B) Bright common nails or pierce-point screws fit securely in specially designed supports and are angled for easy installation

(C) Strip-resistant, tapered and machine tapped device holes allow device screw to be started by hand and speed installation time with adjustable torque screwdrivers

(D) Cubic inch capacity and conductor count clearly marked and easy for contractor and inspector to locate and identify

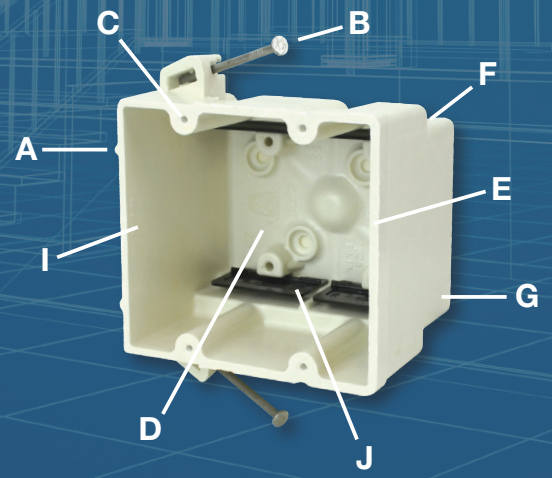
(E) Proudly UL® listed

(F) Knockouts on fiberglass boxes are complete, reducing drafts and easily removed with wire for no-tool installation

(G) Leveling ribs position face of box parallel to wall surface

(I) 2-Hour Fire Rated clearly marked for easy inspector identification

(J) Nonmetallic Speed "K" Klamps™ dependably secure wire in box; should a knockout be inadvertently opened and not used, the Speed "K" Klamp™ is considered sufficient closure of the opening per UL®




## Speed "K" Klamps™

Allied Moulded offers a nonmetallic wire clamping system that automatically locks your wire in place for a secure hold. No screws to loosen and tighten makes wiring faster and easier saving time on installation. The Speed "K" Klamp™ allows the wire to be inserted through the knockout and the memory retaining feature of the clamp prevents wire from being pulled back from the box.

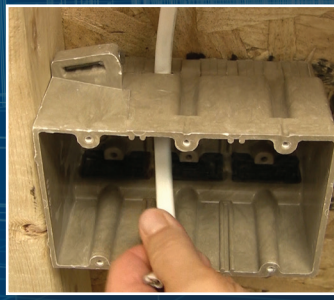
Should a knockout be inadvertently opened and not used, the Speed "K" Klamp™ is considered sufficient closure of the opening per UL.

## Speed "K" Klamps™ Instructions

**1** Remove the knockout and prepare the conductors to enter the box per NEC.

Note: With Allied Moulded fiberglass boxes, the knockout can simply be removed with wire insertion.

**2** Insert the conductors from the outside of the box into the appropriate knockout and OVER THE TOP of the clamp until the outer jacket extends at least 1/2" past the top of the clamp.



**3** Bend wire 90 degrees over clamp.

**4** Pull wire from outside of box to ensure clamp engagement.