

## FAQ - Lexan Polycarbonate

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For pertinent facts about our Lexan and Vinly Corner Guards: [Click Here](#)

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Polycarbonate (Lexan) corner guards are extruded and so cannot be produced with custom size sides. For example, we cannot form 1.5" x 2.75" sides but we can cut the products down to custom lengths from 120" down. These products are not UAV rated and are not intended for exterior use. If installed in an exterior location, these products will discolor and crack.

### More information on Polycarbonate and Lexan

From Wikipedia: <https://en.wikipedia.org/wiki/Polycarbonate>

**Polycarbonates (PC)** are a group of **thermoplastic** polymers containing **carbonate groups** in their chemical structures. Polycarbonates used in engineering are strong, **tough** materials, and some grades are optically transparent. They are easily worked, **molded**, and **thermoformed**. Because of these properties, polycarbonates find many applications. Polycarbonates do not have a unique **resin identification code (RIC)** and are identified as "Other", 7 on the RIC list. Products made from polycarbonate can contain the precursor monomer **bisphenol A (BPA)**.

### Why is lexan so expensive?

Polycarbonate (Lexan) is expensive because it's nearly indestructible.

### Is Lexan the same as polycarbonate?

Yes, they are the same thing. Lexan® is actually a brand name of polycarbonate manufactured by Sabic Innovative Plastic.

### Can you drill Lexan polycarbonate?

Polycarbonate (Lexan) is extremely impact resistant but keep holes preferably 2 material thicknesses away from the edges. If the part is large (over 12" in any dimension) drill your holes 1/32" oversized. Lexan has 2-3 times the expansion and contraction of most metals. This will prevent both buckling and tearing. Standard wood working drill bits are suitable for drilling holes in polycarbonate sheet. ... This will ensure the drilling will not blowout the

panel as the drill exits the material. Do not under any circumstances use a centre punch on a polycarbonate panel, it's very likely to cause damage.

### How do you cut Lexan polycarbonate?

When you need to cut Lexan, you can essentially treat it as a sheet of plywood and cut it with any power saw you would use for that material. Make straight cuts with a circular saw or table saw, and curved ones with a band saw or jigsaw. You should use carbide-tipped blades with closely spaced teeth.

### How strong is Lexan polycarbonate?

Polycarbonate sheet maintains glass-like clarity and is highly impact resistant and strong. Lexan is approximately 250 times stronger than glass. It can be used for a variety of household projects, including replacement windows, garage windows and storm doors.

### Does Lexan scratch easily?

it averages much higher on the Rockwell scale which determines how hard the material is . and since its harder than plexiglass it is more scratch resistant. Straight polycarbonate (Lexan) is EASIER to scratch than acrylic (Plexiglas).

### Is Lexan unbreakable?

Our clear tubing is made from Lexan, also known as polycarbonate. This material is unbreakable, its 200x stronger than glass and 25x stronger than acrylic. The polycarbonate material is unbreakable, making it a popular choice among consumers because of its light weight.

#### Material

Vinyl

#### Chemical

Vinyl Chloride

#### Warning



**WARNING:** This product can expose you to chemicals including Vinyl Chloride, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Quippini, LLC. - [TheCornerGuardStore.com](http://TheCornerGuardStore.com)

11445 E Via Linda  
Suite 2323  
Scottsdale, AZ 85259

Give us a call at: [\(800\) 516-4036](tel:8005164036)

email us at [sales@TheCornerGuardStore.com](mailto:sales@TheCornerGuardStore.com)

Chat with us at [TheCornerGuardStore.com](http://TheCornerGuardStore.com)

Use our [Contact Us](#) page.