

## Splicing Solutions for Cost and Quality

Elasto Proxy offers four choices for the cost-effective splicing of industrial rubber products:

- Film splicing
- Cold bonding
- C-press injection molding
- Vulcanizing

Selecting the right splicing method depends upon run quantity, performance requirements, material type, and tooling costs. That's why our technical services team will analyze all of your application needs before recommending the splicing technique that's best for you.

### Film Splicing

Film splicing is a unique, one-step process for closing and sealing gaskets without inserts. Unlike other splicing methods, it creates strong bonds without adhesives and does not require secondary trimming. Elasto Proxy's film splicing capabilities also include the joining of profiles with adhesives. Our cooling equipment ensures that processing temperatures won't reduce the bond strength of pressure sensitive adhesives (PSA).

Because of their fast cycle times, film splices may be the right choice for your high-volume splicing application. Typically, film splices are used in doors, outside lighting, and automotive-quality gaskets because they create strong corners that won't crack, and are well-suited for splicing taped profiles. Elasto Proxy can produce both spliced and angled corners.

### Cold Bonding

Cold bonding is less expensive than film splicing because there are no tooling costs. Used mainly for low-volume splicing, cold bonding can produce two-sided film profiles and create precise, angled parts that are difficult to splice with other methods. With cold bonding, a quick-setting adhesive joins clean edges from profiles cut with our water jet machine.

Cold bonding is best-suited for gaskets that won't be exposed to high temperatures and outdoor environments. For corner joints and bonded ends for static and dynamic applications, our technical services team may suggest cold bonding as a cost-effective alternative to other splicing methods.



### **C-Press Injection Molding**

C-press injection molding complements our film splices, but is more expensive. The C-press process creates molded joints by applying an uncured compound onto two lengths of a profile. Heat and pressure soften the compound, which then flows through the cavity and joins the two ends. When the part is removed and cooled, the result is a permanent joint for a reliable splice.

C-press injection molding is recommended for bulbs with difficult shapes, and is often the right choice for square gaskets with radius corners. Because of its higher tooling costs, however, our solutions providers may recommend this splicing technique for small-to-medium quantities of your most challenging designs.

### **Vulcanizing**

Vulcanizing is a reliable, cost-effective process for splicing sponge or solid profiles that do not have an internal cavity. Suitable for all types of shapes and materials, vulcanizing is used only for very low quantities. Most often used to make O-rings, vulcanizing is also used in tubing and other products with a space for the free-flowing passage of air to the gasket.

Vulcanizing is often compared to hot gluing, but uses both heat and pressure. Elasto Proxy applies a small amount of adhesive to a length of profile, presses the ends together, and places the joint in a hot mold. The heat activates the glue, pressure from the mold creates an accurate joint, and the result is a cost-effective splicing product.



---

## Choosing Your Splicing Solution

For 25 years, Elasto Proxy has provided custom-fabricated sealing solutions to a wide range of industries. By applying our application knowledge and analyzing all your specific needs, our solutions providers can help you determine whether film splicing, cold bonding, C-press injection molding, or vulcanizing is the right splicing solution for you.



4035 Lavoisier Street  
Boisbriand, Quebec, Canada  
J7H 1N1

**Phone:** (450) 434-2744

**Fax:** (450) 434-5998

220 Pony Drive - Unit #1A  
Newmarket, Ontario, Canada  
L3Y 7B6

**Phone:** (905) 898-1139

**Fax:** (905) 898-1004

1021-C Old Stage Road  
Simpsonville, South Carolina, USA  
29681-6044

**Phone:** (864) 228-5900

**Fax:** (864) 963-8992

Email [info@elastoproxy.com](mailto:info@elastoproxy.com)

Visit <http://www.elastoproxy.com>