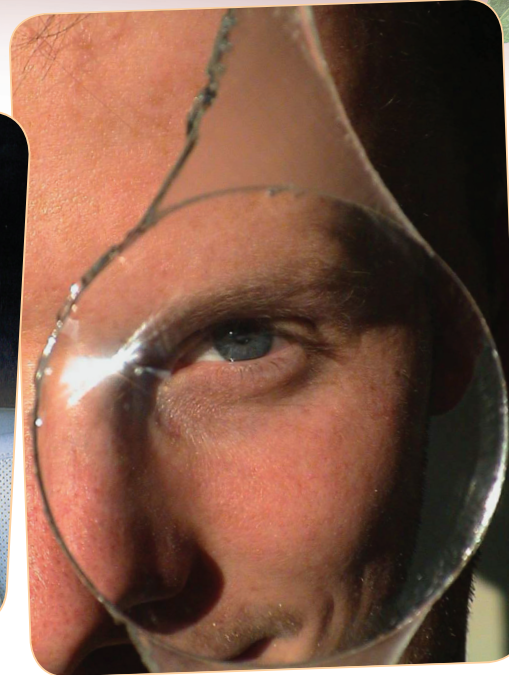


Clear, Durable Polyurethane Provides A Protective Layer



Clear RIM To Protect Veneers.



The RIM Molding of transparent polyurethane is a new technology that is captivating the imagination of designers worldwide. New applications for this technology include lenses, safety glasses, face shields and encapsulation of various materials.

Transparent polyurethane elastomers offer superior impact resistance, scratch resistance, chemical resistance and high-temperature resistance. The chemistry of the transparent polyurethane can be modified to meet the specific requirements of the end product.

The process uses an Aliphatic UV-stable PUR-system. Two chemical components are impinged under pressure in a special self cleaning mixing chamber then injected into a closed mold. Compared to the injection molding of polycarbonates, PUR is introduced into the mold at a much lower pressure and process temperature.

The typical PUR processing temperature is around 70 deg. C.

One application that has received a great deal of publicity is the encapsulation of veneers for automotive interiors. Clear RIM, in a single shot, replaces the many processing steps required to produce this product by traditional methods. Although this application does reduce processing steps, due to the fact that the base material is natural and subject to dimensional variations, we strongly recommend this process be used to coat man-made, dimensionally consistent materials.

Linden Industries is introducing this technology to the US market. Linden is responsible for the sales and service of Isotherm AG equipment in the US, Canada and Mexico.

Ideal for use in:

- Lenses
- Safety Glasses
- Face Shields



The Clear RIM Process Can Produce Both Flat and Three-Dimensional Products.

Linden Industries, Inc.
137 Ascot Parkway, Cuyahoga Falls, Ohio 44223
Telephone: 330-928-4064 • Fax: 330-928-1854
info@lindenindustries.com
www.lindenindustries.com

LINDEN
Linden Industries, Inc.
Polyurethane Processing Equipment

