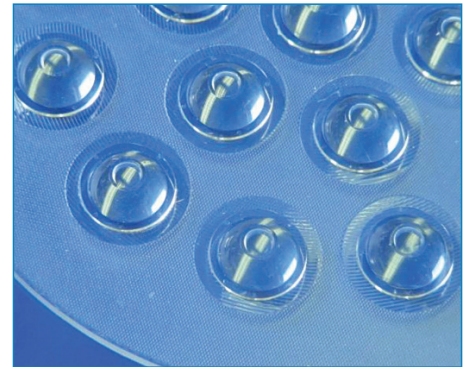
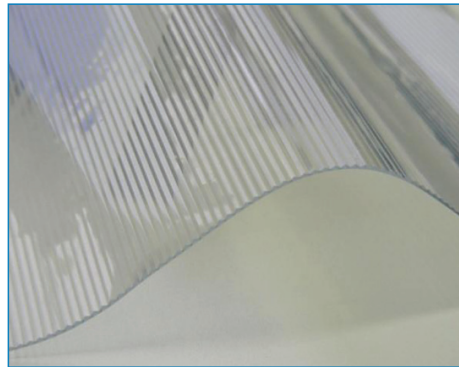


## Laminate Prisms and Lenses



The new laminate technology offers a wide range of combinations for micro prisms, Fresnel lenses, or collimator lenses together with new base materials. Fresnel lenses applied up on glass offer precise optical structures for outdoor or high temperature applications, with high scratch resistance. Prisms or lenses up on flexible films can be added as inlays to even those geometries, that can not be shaped in acrylic. Collimator lenses of complex arrangements provide efficient combinations of primary and secondary optical elements, without an air gap in between, thus without reflective losses.

### Product data:

<b>standard material:</b>	soft plastic, clear, upon glass, acrylic, PC or various film materials
<b>dimensions:</b>	squares up to 620 mm x 620 mm rectangles up to 1500 mm x 300 mm
<b>prism structure:</b>	customer specific solutions based on micro prisms, Fresnel lenses or collimator lenses
<b>thickness:</b>	0.5mm –8mm, customer specific base materials
<b>refractive index:</b>	depending on material
<b>transmission:</b>	depending on material
<b>temperature range:</b>	-50°C up to +250°C (glass laminate solutions)

**Service:** Development of prismatic microstructures for your specific applications, tooling and series production.