

Glassomer provides prototypes made of real glass – with major advantages for you!

- ✓ transparent parts with high mechanical & thermal strength
- ✓ long-term clarity without yellowing or scratches
- ✓ chemical stability
- ✓ high-class haptics

Glass Properties

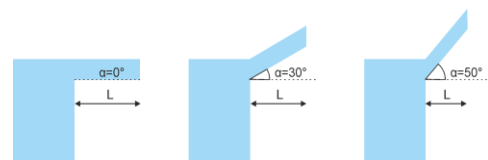
Glass Type/Purity	Fused Silica/99.9 %
Density	2.2 g/cm ³
Vickers Hardness	980 HV
Bending Strength	115 MPa
Max Temperature	1000 °C
Thermal expansion	Near-zero ($0.52 \times 10^{-6} \text{ K}^{-1}$)

General Design Rules

Maximum Size	50 mm × 50 mm × 50 mm
Maximum wall thickness	5 mm
Minimum wall thickness	0.8 mm
Hole Diameter	>0.7 mm
Tolerances	XYZ: ± 0.25 mm

Overhang Design Rules

$\alpha = 0^\circ - 30^\circ$	L=1 mm
$\alpha = 30^\circ - 50^\circ$	L=15 mm
$\alpha = 50^\circ - 90^\circ$	L=40 mm



Production Capacity: 1-10,000 units per year, depending on the design of the parts.