



The future is flexible: Corning® Willow™ Glass

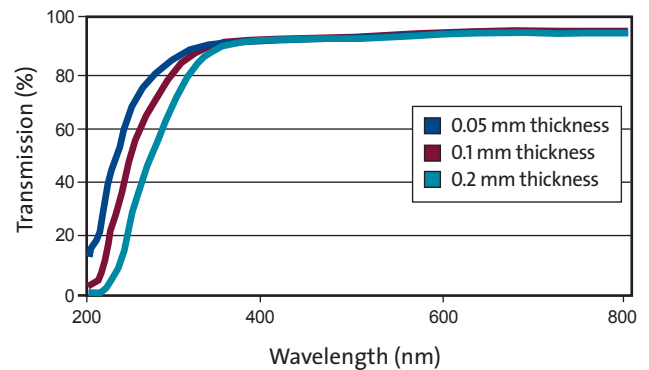
- At roughly the same thickness as a sheet of copy paper, Corning® Willow™ Glass is thin enough to be flexible while retaining its superior glass attributes. Willow Glass provides the inherent benefits of glass in a mechanically bendable form-factor, enabling cost-efficient device processing. It will enable thinner, lighter, and potentially flexible electronic devices, that deliver high performance at a lower cost.
- Edge tab enables practical use of Willow Glass in roll-to-roll processing.
- The following Willow Glass products are available in sample quantities:

	Sheet Samples	Roll Samples	ITO coated roll samples
Maximum dimensions	Up to Gen 2 (Q3 2012) Up to Gen 5 (Q4 2012)	Up to 1 meter wide Up to 300 m long	Up to 500 mm wide Up to 300 m long
Thickness	0.1 – 0.2 mm	0.1 mm	0.1 mm
Composition	Alkali-free borosilicate		
Packaging	Flat box / interleaf	Edge tab / leader / trailer	Edge tab / leader / trailer
Availability	See above	Q3 2012	Q4 2012

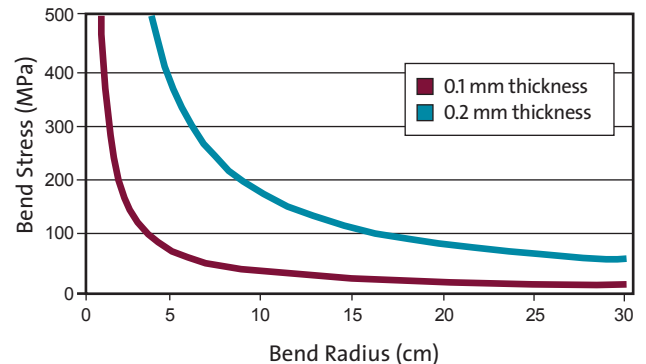
Sample Characteristics

Bulk Properties	Metric Unit	Nominal Values
Density	g / cc	2.3 - 2.5
CTE (0° to 300° C)	ppm / °C	3 - 5
Young's Modulus	GPa	70 - 80
Poisson Ratio	—	0.20 - 0.25
Strain Point	°C	650 - 700
Annealing Point	°C	700 - 750
Dielectric Constant (k=E _o /E)	—	5 - 6
Surface Roughness	Ra (nm)	< 0.5
	Rpv (nm)	< 20

Optical Transmission



Bend Stress



Contact Us

For additional information about handling and safety guidelines, product dimensions and availability, contact Willow@corning.com.