

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:

	Sheets		Rolls	
Sizes	≤500 x ≤500	≤1250 x ≤1000	≤1m Wide, ≤300m Long	≤500mm Wide, ≤300m Long
ITO Coating	Yes	No	No	Yes
Availability	Q3 2012	Q3 2013	Q3 2013	Q4 2014
Composition	Alkali-free Borosilicate			
Packaging	Flat Box / Interleaf		Edge tab / Leader / Trailer / 8.4" OD Spools	
Thickness	100um and 200um		100um	

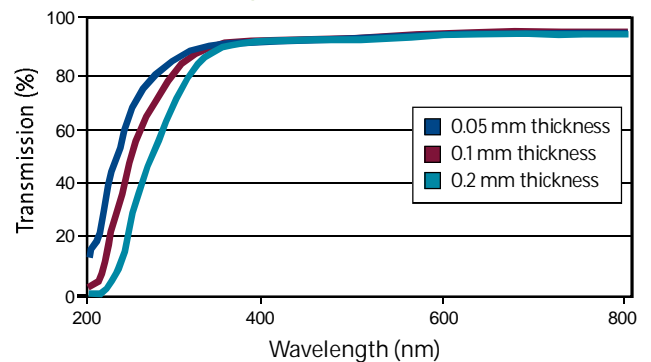
Sample Characteristics

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 _s /E)	—	5 - 6
Surface Roughness	Ra (nm)	< 0.5
	Rpv (nm)	< 20

Contact Us

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

Optical Transmission



Bend Stress

