

PARAMETER	SUBSTRATE MATERIAL			
	GREEN SODA LIME (SL)	WHITE CROWN (270)	BOROFLOAT	QUARTZ (QZ)
COMPOSITION (%)				
SiO ₂	73	70	60	100
B ₂ O ₃	-	-	5	-
Al ₂ O ₃	1	-	15	-
Na ₂ O	15	8	1	-
K ₂ O	1	9	1	-
RO	10	14	18	-
THERMAL PROPERTIES				
COEFFICIENT OF EXPANSION OVER 50-200°C	94 X 10 ⁻⁷ /°C	93 X 10 ⁻⁷ /°C	37 X 10 ⁻⁷ /°C	4.5 X 10 ⁻⁷ /°C
SOFTENING POINT (°C)	740	710	900	1600
TRANSFORMATION TEMP. (°C)	562	520	673	-
STRAIN POINT (°C)	511	505	636	1000
OPTICAL PROPERTIES				
LIGHT TRANSMITTANCE (%) d=2.3mm, l=400nm	90	91	91	90 (l=400nm)
REFRACTIVE INDEX (n _d)	1.52	1.52	1.53	1.46