

Appendix B².

Glass type window specifications

Radius [in]	3.250
Volume [in]	33.183 in ³
Mass [g]	1355.450

Known mass for BK7 [g]	1364.870
Known mass for fused silica [g]	1201.738
Known mass for zerodur [g]	1375.746

The least difference between the measured window mass and the known masses is 0.690% which corresponded to BK7. This is the reason why we decided that BK7 was the window material.

² Data collected at NASA's Goddard Space Flight Center by thesis author.