



**KNIGHT OPTICAL**

Tel: +44 (0) 1622 859444

Fax: +44 (0) 1622 859555

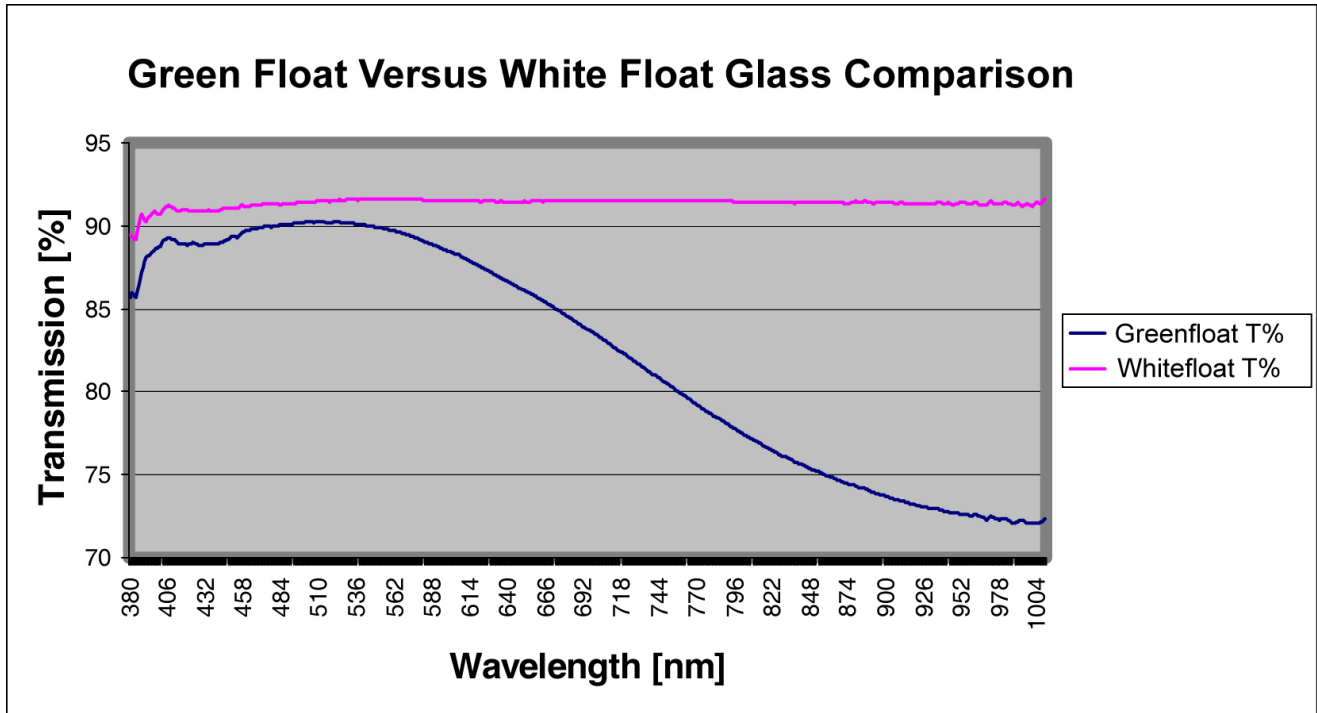
[info@knightoptical.co.uk](mailto:info@knightoptical.co.uk)

<http://www.knightoptical.co.uk>

**Title:** Technical / Sheet Glasses

**Range / Description:** Whitefloat glass for 340 – 2300 transmission

**Material / Specification:** TSG-WFLOAT



### Physical Properties

- Modulus of Elasticity (Young's)  $7.2 \times 10^{10}$  Pa ( $10.4 \times 10^6$  psi)
- Modulus of Rigidity (Shear)  $3.0 \times 10^{10}$  Pa ( $4.3 \times 10^6$  psi)
- Bulk Modulus  $4.3 \times 10^{10}$  Pa ( $6.18 \times 10^6$  psi)
- Poisson's Ratio 0.23
- Specific Gravity 2.53
- Density  $2530 \text{ kg/m}^3$  ( $158 \text{ lb/ft}^3$ )
- Coefficient of Thermal Stress  $0.62 \text{ mPa/}^\circ\text{C}$  ( $50 \text{ psi/}^\circ\text{F}$ )
- Thermal Conductivity  $0.937 \text{ W.m/m}^2\text{.}^\circ\text{C}$  ( $6.5 \text{ btu.in/hr.}^\circ\text{F.ft}^2$ )
- Specific Heat 0.21
- Coefficient of Linear Expansion  $8.9 \times 10^{-6} \text{ strain/}^\circ\text{C}$  ( $4.9 \times 10^{-6} \text{ strain/}^\circ\text{F}$ )
- Hardness (Moh's Scale) 5 to 6
- Refractive Index (Sodium D line) 1.523
- Softening Point  $1340^\circ\text{F}$  ( $726^\circ\text{C}$ )
- Annealing Point  $1015^\circ\text{F}$  ( $546^\circ\text{C}$ )
- Strain Point  $957^\circ\text{F}$  ( $514^\circ\text{C}$ )

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