



**KNIGHT OPTICAL**

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**Title:** Technical / Sheet Glasses

**Material / Specification:** Green float glass/Soda-lime for 350-750nm transmission

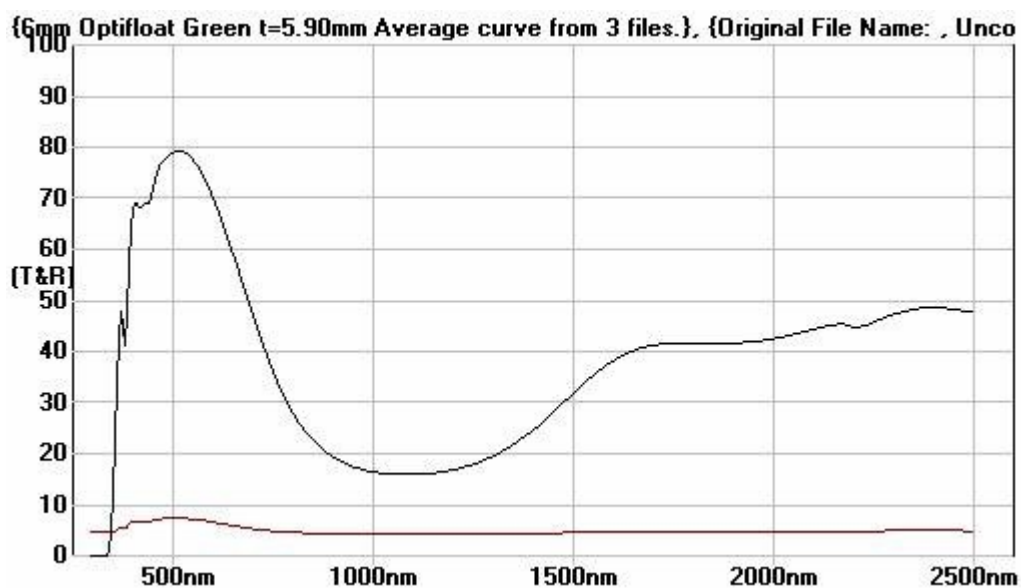
**Range / Description:** TSG-GFloat

Used as a cheap window material in various applications.

Shown below is the **General Properties of Soda-Lime-Silicate Window Glass, manufactured by Pilkington Glass.**

The information below is based on 6mm Optifloat™ Green

## Internal Transmittance



(C) PilkingtonGlass

Density	2.5 tonnes/m <sup>3</sup>
Refractive Index	1.52
Softening Point	740 °C
Annealing Point	555 °C
Volume Resistivity at 50 Hz	300 GOhm m
Dielectric Constant at 1kHz	7.6
Young's Modulus	70 x 10 <sup>3</sup> N/mm <sup>2</sup>
Poisson Number	0.23
Hardness (MoH scale)	6 Gpa
Stress-Time Exponential Coefficient	16
Stress-Optical Coefficient	2.74 Brewsters
Specific Heat	720 J/kgK
Thermal Conductivity	1 W/mK
Thermal Expansion Coefficient	9 x 10 <sup>-6</sup> /K

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Whilst every effort has been made to verify this data, Knight Optical(UK)Ltd can take no responsibility for its accuracy.