

## Description:

With low iron content, Pilkington Optiwhite float glass is practically colorless and eliminates the green cast inherent in standard float glass. Improved light transmission makes this product ideal for applications which can benefit from more light. Compared to standard clear float, visible light transmittance for Optiwhite glass is 2% higher for 1/8" (3mm) thickness and 8% higher for 1/2" (12mm) glass.

## Available Thicknesses:

1/8"	(3.0 ± 0.2mm)
1/4"	(6.0 ± 0.2mm)
3/8"	(10.0 ± 0.3mm)
1/2"	(12.0 ± 0.3mm)

## Thermal:

Thermal Coefficient of Expansion (0-300°C)	84 * 10 <sup>-7</sup> /°C
Strain Point	526 °C
Annealing Point	558 °C

## Mechanical:

Specific Weight (2.5 * 10 <sup>3</sup> kg/m <sup>3</sup> )	2.5g/cm <sup>3</sup>
Young's Modulus	73 kN/mm <sup>2</sup>
Poisson Ratio	0.23
Vicker's Hardness	5kN/mm <sup>2</sup>

## Properties:

Refractive Index, n <sub>d</sub>	1.52
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## Chemical:

Alkaline resistance	Class 1-2
Acid Resistance	Class 1
Hydrolytic Resistance	Class 3
Composition	SiO <sub>2</sub> 72.7%
	Na <sub>2</sub> O 13.0%
	CaO 8.8%
	MgO 4.3%
	Al <sub>2</sub> O <sub>3</sub> 0.6%
	K <sub>2</sub> O 0.4%

## Applications:

Security glazing laminates, I.G. units, photovoltaic modules, solar collectors, projection room windows, storefronts, appliances, shelving, display cases, zoo and aquarium enclosures, tabletops.

Flatness, parallelism, cutting tolerances, roughness, cosmetic defects and visual inspection all conform to the specifications to be agreed upon by Precision Glass & Optics and the customer.

