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Soda Lime Float

DESCRIPTION: Soda lime float glass is manufactured in a wide variety of sizes and thicknesses to 0.4 mm. The manufacturing of thin and extra-thin glasses according to the float process guarantees optimal surface evenness, minimal variation in thickness and, within a single batch of glass, lower thickness tolerances than those obtained through any other manufacturing process.

APPLICATIONS: Optical substrates, displays for computers or electronic devices, special mirrors (cosmetic, photographic, automotive), thin film coating substrates.

SHEET SIZES: Most full sheet sizes are about 24" x 24" with these **AVAILABLE THICKNESSES:**

Thickness (mm)	0.40	0.55	0.70	0.95	1.10	1.25	1.60	2.10
Tolerance (mm)	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05	± 0.10	± 0.10

PROPERTIES:

Refractive Index n_d ($\lambda = 400 - 700 \text{ nm}$) = 1.52 ± 0.05

Transmission (estimated at 1 mm thick)	@ 313 nm	@ 330 nm	@ 380-780 nm	800-2500 nm
	50%	80%	91.1%	90%+

Mechanical and Thermal

Specific Weight: ($10^3 \text{ Kg} \cdot \text{m}^{-3}$)	Young's Modulus	Thermal Coefficient of Expansion (0-300°C)	Strain Point
2.49 ± 0.01	$70 \pm 2 \text{ GPa}$	$8.4 \pm 0.2 \times 10^{-6} \text{ per } ^\circ\text{C}$	$490 \pm 10^\circ\text{C}$

Chemical	<i>Hydrolytic Resistance</i>	(ISO 719) Class 3	(DIN 12.111) Class 3
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Electrical	Dielectric Constant @ 25°C; 1 MHz = 7.6	Specific Resistivity (1) @ 25°C; (1000 Hz) = 9.7	[Log R (Ω cm)]
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