B-270

Precision Glass and Optics
3600 W. Moore Avenue, Santa Ana, CA 92704
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Description:

B-270 is a commercially available material that has excellent optical transmission. The material comes in drawn form in a variety of thickness & sheet sizes, and the drawn surfaces can be polished to improve the optical performance. Most sheet sizes are about 35" x 66". Contact one of our Application Engineers for further information.

Available Thicknesses:

Thickness	Tolerance	Thickness	Tolerance	Thickness	Tolerance
0.90mm	± 0.10mm	2.00mm	± 0.15mm	6.00mm	± 0.30mm
1.15mm	± 0.15mm	3.00mm	± 0.20mm	8.00mm	± 0.30mm
1.65mm	± 0.15mm	4.00mm	± 0.20mm	10.0mm	± 0.40mm

Properties:

Refractive Index: n_d (λ = 588nm) = 1.5230

Transmission: (estimated at 6 mm thick)

@315nm	15%	@400nm	90%
@340nm	74%	@500nm	91.4%
@360nm	87%	@600nm	91.5%

Mechanical and Thermal:

Density	2.55 g/cm^3
Young's Modulus	E = 71.5 KN/mm^2
Thermal Coefficient of Expansion (0-300°C) = 95 x 10^{-7} K^{-1}	

Chemical:

Hydrolytic Resistance (DIN 12111)	Class 3
Alkali Resistance (DIN 52322)	Class 2
Acid Resistance (DIN 12116)	Class 2

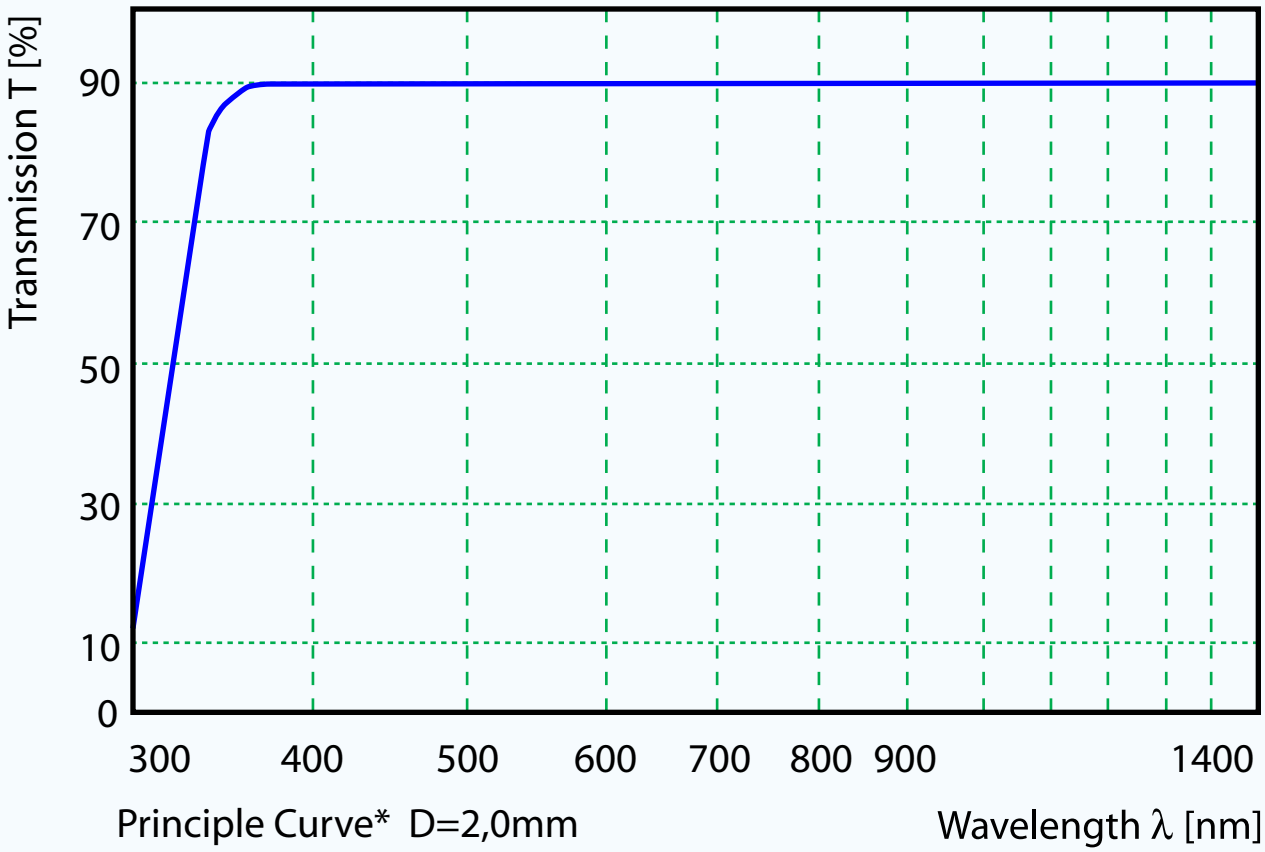
Electrical:

Dielectric Constant	E = 7
Dielectric Loss Factor	tan = 30 x 10-4

Applications:

Optical substrates, glazing, image-forming optics, electronics, laboratory and coating substrates.

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.



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