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B-270

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

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

AVAILABLE THICKNESSES:

Thickness (mm)	0.90	1.15	1.65	2.00	3.00	4.00	6.00	8.00	10.00
Tolerance (mm)	± 0.10	± 0.15	± 0.15	± 0.15	± 0.20	± 0.20	± 0.30	± 0.30	± 0.40

PROPERTIES:

Refractive Index n_d (λ = 588 nm) = 1.5230

Transmission (estimated at 6 mm thick) @ 315 nm 15% @ 340 nm 74% @ 360 nm 87%
@ 400 nm 90% @ 500 nm 91.4% @ 600 nm 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)	*Alkali Resistance* (DIN 52322)	*Acid Resistance* (DIN 12116)
	Class 3	Class 2	Class 2

Electrical Dielectric Constant: E = 7 | Dielectric Loss Factor: tanδ = 30 x 10^{-4}