

PSS-3000 Optical Sheet | Optical Performance

Optical Clarity

Precision optics, low haze and high light transmission are important properties when considering optical plastics. PSS-3000 optical sheet has the lowest haze in comparison to other optical plastics.

PERFORMANCE COMPARISON

| MEASUREMENT | UNITS | EQUIPMENT / STANDARDS | PSS-3000 | POLYCARBONATE | ACRYLIC |
|------------------------|-------|-------------------------------------|----------|---------------|---------|
| Luminous Transmittance | % | HunterLab UltraScan Pro – D65 / 10° | 92 | 88 | 92 |
| Haze | % | HunterLab UltraScan Pro – D65 / 10° | 0.03 | 0.22 | 0.35 |
| Yellowness Index | | ASTM E313 | 0.77 | 1.28 | 0.14 |
| Abbe Value | | | 57 | 29 | 59 |

*Testing conducted on 3 mm thick sheets.

Distortion-Free

PSS-3000 optical sheet is virtually free of residual internal stress and strain. It is cast flat with precise thickness control. These properties make it the best choice for devices that require high optical performance such as bar code scanners and optical filters.

