

# Polymer Panel Technical Data

## Stylelite – TruMatte

### Product Description

Stylelite TruMatte acrylic sheet and laminated panels are a soft to touch TruMatte solution for premium furniture and joinery applications with exceptional anti-finger print properties. Stylelite is available in a range of coextruded solid colours and is offered as sheet for lamination or as a complete laminated panel.

### General Properties

#### Sheet Specification

| Properties                         | Specifications  | Test Method               |
|------------------------------------|---|---------------------------|
| Sheet Thickness                    | 0.8mm ± 0.1mm   |                           |
| Colour**                           | dE < 1.0 for Solid Colours<br>dE < 1.5 for Metallic Colours | AS/NZS 1580.600           |
| Gloss**                            | <6% for TruMatte Colours                                    | AS/NZS 1580.602           |
| Specific gravity                   | 1.09  | ASTM D-792                |
| Water absorption                   | <0.5%   | ASTM D-570                |
| Tensile strength                   | 70 MPa  | ASTM D-638                |
| Elongation at Yield                | 4%  | ASTM D-638                |
| Tensile modulus                    | 3,000 MPa   | ASTM D-638                |
| Flexural strength                  | 100 MPa   | ASTM D-790                |
| Flexural modulus                   | 3,000 MPa   | ASTM D-790                |
| Izod impact strength, Milled Notch | 15J/m   | ASTM D-256                |
| Pencil Hardness**                  | >6-7H   | ASTM D-3363               |
| Erichsen Hardness**                | ≥ 0.7N  | ISO 4586-2 (DIN EN 438-2) |
| HDT 264 PSI, 1.82MPa               | 89°C (192°F)  | ASTM D-648                |
| CTE, -30°C to 30°C                 | 0.7mm/1000mm/10 °C  | ASTM D-696                |
| Vicat softening point              | 104°C (219°F)   |                           |
| Continuous service temperature     | 77°C (170°F)  |                           |
| Degradation temperature            | > 275°C (>530°F)  |                           |

#### Board Specification

|                 |                                |
|-----------------|--------------------------------|
| Board Thickness | 18mm nominal                   |
| Board Weight    | 13.5 kg/m <sup>2</sup> Typical |
| Environmental   | E0 MR or TITLE VI              |

\*\* Internally tested by EGR

### Applications

Stylelite sheet and panel have many applications such as cabinet faces, store fixtures, feature panels and furniture surfaces. The panels are designed for any interior vertical surface and the panels can be edge finished in a variety of ways to suit the needs of the end application. Stylelite sheet can be laminated to many different wood substrates using a variety of bonding methods. The laminated panels are bonded with high performance PUR adhesive and can be supplied double sided or with a textured ABS balancing layer.