

# DATA SHEET

## TECHNICAL DATA SHEET AB401UV

**OUTDOOR UV STABLE SHEET WITH A CO-EXTRUDED GLOSS PMMA LAYER AT 10% ONTO A HIGH IMPACT ABS BASE**

| GENERAL                                       |                |                     |              |
|---|----------------|---------------------|--------------|
| Property                                      | Method         | Unit                | SWP PMMA/ABS |
| Density <sup>1</sup>                          | ISO 1183       | g / cm <sup>3</sup> | 1.10         |
| MECHANICAL                                    |                |                     |              |
| Property                                      | Method         | Unit                | SWP PMMA/ABS |
| Tensile Strength at Yield                     | ISO 527-2 / 50 | MPa                 | 37           |
| Tensile E Modulus                             | ISO 527-2      | MPa                 | 1900         |
| Elongation at Break                           | ISO 527-2      | %                   | 7            |
| Charpy Impact notched (23°C)                  | ISO 179 /1eA   | kJ / m <sup>2</sup> | 13           |
| Charpy Impact unnotched (23°C)                | ISO 179 /1eU   | kJ / m <sup>2</sup> | 17           |
| Charpy Impact unnotched (-40°C)               | ISO 179 /1eU   | kJ / m <sup>2</sup> | 7.5          |
| OPTICAL                                       |                |                     |              |
| Property                                      | Method         | Unit                | SWP PMMA/ABS |
| Gloss / matt Level @ 60° <sup>2</sup>         | ISO 2813       | Units               | >86          |
| THERMAL                                       |                |                     |              |
| Property                                      | Method         | Unit                | SWP PMMA/ABS |
| Heat Deflection Temperature                   | ISO 75-2 / A   | °C                  | 100          |
| Vicat Softening Point                         | ISO 306 / B50  | °C                  | 99           |
| OTHERS  |                |                     |              |
| Property                                      | Method         | Unit                | SWP PMMA/ABS |
| Flammability                                  | UL94           | Rating              | HB           |
| Thermoforming temperature range (recommended) |                |                     | 160 – 180C   |
| Mould Shrinkage                               | ISO 294-4      | %                   | 0.5 – 0.8    |

Remark: These technical data of our products are typical ones. The actual measured values are subject to production variations.

1. Density for black metallic sheet is 1.11
2. Gloss values are attained from smooth finish thermoformed parts