

**TECHNICAL DATA SHEET**
**CRYLON® UVT**      UV light permeable; suited for solaria and sunbeds

| GENERAL                                                 |                                 |                              |             |
|---------------------------------------------------------|---------------------------------|------------------------------|-------------|
| Property                                                | Method                          | Unit                         | CRYLON® UVT |
| Density                                                 | DIN EN ISO 1183                 | g/cm <sup>3</sup>            | 1.19        |
| Water absorption_24h/23°C_50x50x4mm <sup>3</sup>        | DIN EN ISO 62 – Method 1        | %                            | 0.2         |
| MECHANICAL                                              |                                 |                              |             |
| Property                                                | Method                          | Unit                         | CRYLON® UVT |
| Tensile strength                                        | DIN EN ISO 527-2                | MPa                          | 70          |
| Tensile modulus                                         | DIN EN ISO 527-2                | MPa                          | 3100        |
| Flexural strength                                       | DIN EN ISO 178                  | MPa                          | 110         |
| Flexural modulus                                        | DIN EN ISO 178                  | MPa                          | 3000        |
| Impact strength Charpy                                  | DIN EN ISO 179-1                | kJ/m <sup>2</sup>            | 15          |
| OPTICAL                                                 |                                 |                              |             |
| Property                                                | Method                          | Unit                         | CRYLON® UVT |
| Light transmission (3 mm)                               | DIN 5036-3 / DIN EN ISO 13468-2 | %                            | 92          |
| Refractive index                                        | DIN EN ISO 489                  | n <sub>D</sub> <sup>20</sup> | 1.492       |
| THERMAL                                                 |                                 |                              |             |
| Property                                                | Method                          | Unit                         | CRYLON® UVT |
| Vicat temperature (B 50)<br>(Pre-treatment 16h at 80°C) | DIN EN ISO 306                  | °C                           | 105         |
| Specific heat capacity                                  | DIN EN ISO 11357-4              | J/gK                         | 1.47        |
| Linear thermal expansion                                | DIN 53752<br>ISO 11359-2        | mm/m x °C                    | 0.07        |
| Thermal conductivity                                    | DIN 52612<br>DIN EN ISO 22007-1 | W/mK                         | 0.18        |
| Service temperature continuous use                      |                                 | °C                           | 70          |
| Max. temperature short term use                         |                                 | °C                           | 90          |

## TECHNICAL DATA SHEET

### CRYLON® UVT      UV light permeable; suited for solarium and sunbeds

Note:                      Technical data of our products are typical ones; the actually measured values are subject to production variations.

