

## TECHNICAL DATA SHEET

CRYLON® AR – NON GLARE - light mat top side by heat embossing design of the surface

| GENERAL                                                                    |                                    |                              |                           |
|----------------------------------------------------------------------------|------------------------------------|------------------------------|---------------------------|
| Property                                                                   | Method                             | Unit                         | CRYLON®<br>AR - NON GLARE |
| Density                                                                    | DIN EN ISO 1183                    | g/cm³                        | 1.19                      |
| Water absorption_24h/23°C_50x50x4mm³                                       | DIN EN ISO 62 –<br>Method 1        | %                            | 0.2                       |
| MECHANICAL                                                                 |                                    |                              |                           |
| Property                                                                   | Method                             | Unit                         | CRYLON®<br>AR - NON GLARE |
| 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                          | 3200                      |
| Impact strength Charpy                                                     | DIN EN ISO 179-1                   | kJ/m²                        | 15                        |
| OPTICAL                                                                    |                                    |                              |                           |
| Property                                                                   | Method                             | Unit                         | CRYLON®<br>AR - NON GLARE |
| Light transmission (3 mm)                                                  | DIN 5036-3 /<br>DIN EN ISO 13468-2 | %                            | > 90                      |
| Refractive index                                                           | DIN EN ISO 489                     | n <sub>D</sub> <sup>20</sup> | 1.492                     |
| THERMAL                                                                    |                                    |                              |                           |
| Property                                                                   | Method                             | Unit                         | CRYLON®<br>AR - NON GLARE |
| 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 /<br>Service temperature short term use |                                    | °C                           | 70 / 90                   |

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