

| DATA SHEET                                 |          |         | BK6   |          |       | 539 596                             |         |          |
|--|----------|---------|---|----------|-------|-------------------------------------|---------|----------|
| Refractive Index                           | nd       | 1,53998 | Abbe Number   | Vd       | 59,67 | Dispersion                          | nF-nC   | 0,009050 |
|  | ne       | 1,54214 |   | Ve       | 59,40 |                                     | nF'-nC' | 0,009127 |
| <u>Refractive Indices</u>                  |          |         | <u>Partial Dispersions</u>                          |          |       | <u>Relative Partial Dispersions</u> |         |          |
| ni   | 365,00   | 1,56226 | nF-nC   | 0,009050 |       | Pe (i,h)                            | 0,7640  |          |
| nh   | 404,66   | 1,55529 | nF'-nC'   | 0,009127 |       | Pe (h,g)                            | 0,4476  |          |
| ng   | 435,83   | 1,55120 | <u>Deviation of Relative Partial Dispersions</u>    |          |       | Pe (g,F')                           | 0,4835  |          |
| nF'  | 479,99   | 1,54679 | delta Pe (i,F')                                     | -0,0090  |       | Pe (F',e)                           | 0,5101  |          |
| n488,0                                     | 488,00   | 1,54612 | delta Pe (g,F')                                     | 0,0011   |       | Pe (e,d)                            | 0,2359  |          |
| ne   | 546,07   | 1,54214 | delta Pe (F',e)                                     | 0,0010   |       | Pe (d,C')                           | 0,2540  |          |
| nd   | 587,56   | 1,53998 | delta Pe (F',r)                                     | -0,0100  |       | Pe (e,C')                           | 0,4900  |          |
| n632,8                                     | 632,80   | 1,53808 | <u>Chemical Properties</u>                          |          |       | Pe (C,r)                            | 0,2200  |          |
| nC'  | 643,85   | 1,53766 | Water Resistance                                    | WRs      | A     | Pe (r,s)                            | 0,3640  |          |
| n694,3                                     | 694,30   | 1,53601 | Acide Resistance                                    | AR*      | 1     | Pe (s,t)                            | 0,2780  |          |
| nr   | 706,52   | 1,53566 | <u>Mechanical Properties</u>                        |          |       | <u>Internal Transmittance</u>       |         |          |
| ns   | 852,10   | 1,53234 | Density, g\c.cm.                                    | SG       | 2,86  | 10 mm                               |         |          |
| nt   | 1 013,90 | 1,52980 | Grindability  | HG       | HG3   | T 365                               | 0,983   |          |
| n1060,0                                    | 1 060,00 | 1,52920 | Knoop Hardness                                      | KH       | -     | T 400                               | 0,991   |          |
| <u>Thermal Properties</u>                  |          |         | Photoelastic Coefficient, nm\cm 10 <sup>-5</sup> Pa | K        | 2,70  | T 440                               | 0,990   |          |
| Transformation Temperature, C              | Tg       | 560     | <u>Temperature Coefficient of Refractive Index</u>  |          |       | T 550                               | 0,996   |          |
| Expansion Coefficient, 10 <sup>-7</sup> /C | Alpha    | 82      | Range of Temperature, C: - 60 ... 20, C'-Line       | NTabs    | 0     | T 640                               | 0,992   |          |
|  |          |         | Range of Temperature, C: 20 ... 120, C'-Line        | NTabs    | 13    | Ta                                  | 0,996   |          |
|  |          |         | <u>Other Properties</u>                             |          |       | Bubble                              | B       | 4        |
|  |          |         |   |          |       | Farbcode                            | FC      | 34\32    |
| <b>PG&amp;F, TM (UA)</b>                   |          |         | <b>27</b>   |          |       | <b>4 492 083 000</b>                |         |          |