

| DATA SHEET   |          |         | KF6  |          |       | 500 572                                       |         |          |
|--|----------|---------|--|----------|-------|---|---------|----------|
| Refractive Index                                   | nd       | 1,50058 | Abbe Number  | Vd       | 41,83 | Dispersion                                    | nF-nC   | 0,008750 |
|  | ne       | 1,50266 |  | Ve       | 56,96 |   | nF'-nC' | 0,008825 |
| <u>Refractive Indices</u>                          |          |         | <u>Partial Dispersions</u>                           |          |       | <u>Realative Partial Dispersions</u>          |         |          |
| ni   | 365,00   | 1,52229 | nF-nC  | 0,008750 |       | Pe (i,h)                                      | 0,7770  |          |
| nh   | 404,66   | 1,51543 | nF'-nC'  | 0,008825 |       | Pe (h,g)                                      | 0,4508  |          |
| ng   | 435,83   | 1,51145 | <u>Deviation of Relative Partial Dispersions</u>     |          |       | Pe (g,F')                                     | 0,4855  |          |
| nF'  | 479,99   | 1,50717 |  |          |       | delta Pe (i,F')                               | -0,0130 |          |
| n488,0   | 488,00   | 1,50652 | delta Pe (g,F')                                      | -0,0003  |       | Pe (e,d)                                      | 0,2355  |          |
| ne   | 546,07   | 1,50266 | delta Pe (F',e)                                      | -        |       | Pe (d,C')                                     | 0,2536  |          |
| nd   | 587,56   | 1,50058 | delta Pe (F',r)                                      | -0,0004  |       | Pe (e,C')                                     | 0,4891  |          |
| n632,8   | 632,80   | 1,49874 | <u>Chemical Properties</u>                           |          |       | Pe (C,r)                                      | 0,2200  |          |
| nC'  | 643,85   | 1,49834 |  |          |       | Water Resistance                              | WRs     | B        |
| n694,3   | 694,30   | 1,49674 | Acide Resistance                                     | AR*      | 1     | Pe (s,t)                                      | 0,2830  |          |
| nr   | 706,52   | 1,49640 | <u>Mechanical Properties</u>                         |          |       | <u>Internal Transmittance</u>                 |         |          |
| ns   | 852,10   | 1,49319 |  |          |       | Density, g/c.cm.                              | SG      | 2,52     |
| nt   | 1 013,90 | 1,49069 | Grindability   | HG       | HG4   | T 365   | 0,978   |          |
| n1060,0  | 1 060,00 | 1,49009 | Knoop Hardness                                       | KH       | -     | T 400   | 0,993   |          |
| <u>Termal Properties</u>                           |          |         | Photoelastic Coefficient, nm/lcm 10 <sup>-5</sup> Pa | K        | 3,10  | T 440   | 0,989   |          |
| Transformation Temperature, C                      | Tg       | 460     | <u>Temperature Coefficient of Refractive Index</u>   |          |       | T 550   | 0,995   |          |
| Expansion Coefficient, 10 <sup>-7</sup> /C         | Alpha    | 68      |  |          |       | Range of Temperature, C: - 60 ... 20, C'-Line | NTabs   | 20       |
| <u>Temperature Coefficient of Refractive Index</u> |          |         | Range of Temperature, C: 20 ... 120, C'-Line         | NTabs    | 36    | Ta  | 0,995   |          |
| <u>Other Properties</u>                            |          |         |  |          |       | Bubble  | B       | 4        |
|  |          |         |  |          |       | Farbcode                                      | FC      | 33\30    |
| <b>PG&amp;F, TM (UA)</b>                           |          |         | <b>9</b>   |          |       | <b>4 492 205 000</b>                          |         |          |