

| DATA SHEET | | | OK1 | | | 522 763 | | |
|--|----------|---------|---|----------|-------|-------------------------------------|---------|----------|
| Refractive Index | nd | 1,52226 | Abbe Number | Vd | 76,35 | Dispersion | nF-nC | 0,006840 |
| | ne | 1,52389 | | Ve | 75,98 | | nF'-nC' | 0,006895 |
| <u>Refractive Indices</u> | | | <u>Partial Dispersions</u> | | | <u>Relative Partial Dispersions</u> | | |
| ni | 365,00 | 1,53891 | nF-nC | 0,006840 | | Pe (i,h) | 0,7480 | |
| nh | 404,66 | 1,53375 | nF'-nC' | 0,006895 | | Pe (h,g) | 0,4414 | |
| ng | 435,83 | 1,53071 | <u>Deviation of Relative Partial Dispersions</u> | | | Pe (g,F') | 0,4791 | |
| nF' | 479,99 | 1,52740 | delta Pe (i,F') | 0,1200 | | Pe (F',e) | 0,5090 | |
| n488,0 | 488,00 | 1,52690 | delta Pe (g,F') | 0,0215 | | Pe (e,d) | 0,2367 | |
| ne | 546,07 | 1,52389 | delta Pe (F',e) | 0,0093 | | Pe (d,C') | 0,2544 | |
| nd | 587,56 | 1,52226 | delta Pe (F',r) | -0,0124 | | Pe (e,C') | 0,4910 | |
| n632,8 | 632,80 | 1,52082 | <u>Chemical Properties</u> | | | Pe (C,r) | 0,2220 | |
| nC' | 643,85 | 1,52051 | Water Resistance | WRs | s | Pe (r,s) | 0,3630 | |
| n694,3 | 694,30 | 1,51925 | Acide Resistance | AR* | 4 | Pe (s,t) | 0,2780 | |
| nr | 706,52 | 1,51898 | <u>Mechanical Properties</u> | | | <u>Internal Transmittance</u> | | |
| ns | 852,10 | 1,51648 | Density, g/c.cm. | SG | 3,77 | 10 mm | | |
| nt | 1 013,90 | 1,51456 | Grindability | HG | HG1 | T 365 | 0,993 | |
| n1060,0 | 1 060,00 | 1,51410 | Knoop Hardness | KH | - | T 400 | 0,994 | |
| <u>Termal Properties</u> | | | Photoelastic Coefficient, nm\cm 10 ⁻⁵ Pa | K | 0,65 | T 440 | 0,989 | |
| Transformation Temperature, C | Tg | 440 | <u>Temperature Coefficient of Refractive Index</u> | | | T 550 | 0,996 | |
| Expansion Coefficient, 10 ⁻⁷ /C | Alpha | 137 | Range of Temperature, C: - 60 ... 20, C'-Line | NTabs | -80 | T 640 | 0,990 | |
| | | | Range of Temperature, C: 20 ... 120, C'-Line | NTabs | -81 | Ta | 0,996 | |
| | | | | | | <u>Other Properties</u> | | |
| | | | | | | Bubble | B | 5 |
| | | | | | | Farbcode | FC | 28\25 |
| PG&F, TM (UA) | | | 19 | | | 4 492 192 000 | | |