

| DATA SHEET | | | TF3 | | | 717 295 | | |
|--|----------|---------|---|----------|-------|-------------------------------------|---------|----------|
| Refractive Index | nd | 1,71741 | Abbe Number | Vd | 29,51 | Dispersion | nF-nC | 0,024310 |
| | ne | 1,72317 | | Ve | 29,29 | | nF'-nC' | 0,024691 |
| <u>Refractive Indices</u> | | | <u>Partial Dispersions</u> | | | <u>Relative Partial Dispersions</u> | | |
| ni | 365,00 | 1,78612 | nF-nC | 0,024310 | | Pe (i,h) | 0,9710 | |
| nh | 404,66 | 1,76214 | nF'-nC' | 0,024691 | | Pe (h,g) | 0,5217 | |
| ng | 435,83 | 1,74926 | <u>Deviation of Relative Partial Dispersions</u> | | | Pe (g,F') | 0,5304 | |
| nF' | 479,99 | 1,73616 | delta Pe (i,F') | 0,0380 | | Pe (F',e) | 0,5263 | |
| n488,0 | 488,00 | 1,73425 | delta Pe (g,F') | 0,0035 | | Pe (e,d) | 0,2330 | |
| ne | 546,07 | 1,72317 | delta Pe (F',e) | 0,0001 | | Pe (d,C') | 0,2407 | |
| nd | 587,56 | 1,71741 | delta Pe (F',r) | 0,0001 | | Pe (e,C') | 0,4737 | |
| n632,8 | 632,80 | 1,71250 | <u>Chemical Properties</u> | | | Pe (C,r) | 0,2000 | |
| nC' | 643,85 | 1,71147 | Water Resistance | WRs | A | Pe (r,s) | 0,3070 | |
| n694,3 | 694,30 | 1,70738 | Acide Resistance | AR* | 4 | Pe (s,t) | 0,2090 | |
| nr | 706,52 | 1,70652 | <u>Internal Transmittance</u> | | | 10 mm | | |
| ns | 852,10 | 1,69893 | T 365 | | | 0,326 | | |
| nt | 1 013,90 | 1,69376 | T 400 | | | 0,864 | | |
| n1060,0 | 1 060,00 | 1,69263 | T 440 | | | 0,969 | | |
| <u>Thermal Properties</u> | | | <u>Mechanical Properties</u> | | | T 550 | | |
| Transformation Temperature, C | Tg | 430 | Density, g\c.cm. | SG | 4,46 | 0,996 | | |
| Expansion Coefficient, 10 ⁻⁷ /C | Alpha | 83 | Grindability | HG | HG3 | T 640 | | |
| | | | Knoop Hardness | KH | - | 0,993 | | |
| | | | Photoelastic Coefficient, nm\cm 10 ⁻⁵ Pa | K | 1,85 | Ta | | |
| | | | | | | 0,996 | | |
| <u>Temperature Coefficient of Refractive Index</u> | | | <u>Other Properties</u> | | | Bubble | | |
| Range of Temperature, C: - 60 ... 20, C'-Line | | | NTabs | 36 | | Farbcode | | |
| Range of Temperature, C: 20 ... 120, C'-Line | | | NTabs | 57 | | FC | | |
| | | | | | | 39\37 | | |
| PG&F, TM (UA) | | | 94 | | | 4 492 345 000 | | |