

SF3  
740282.464

$n_d = 1,74000$	$v_d = 28,20$	$n_F - n_C = 0,026244$
$n_e = 1,74620$	$v_e = 27,98$	$n_{F'} - n_{C'} = 0,026667$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1,69410
$n_{1970.1}$	1970.1	1,69910
$n_{1529.6}$	1529.6	1,70511
$n_{1060.0}$	1060.0	1,71350
$n_t$	1014.0	1,71469
$n_s$	852.1	1,72017
$n_r$	706.5	1,72829
$n_C$	656.3	1,73242
$n_{C'}$	643.8	1,73360
$n_{632.8}$	632.8	1,73471
$n_D$	589.3	1,73977
$n_d$	587.6	1,74000
$n_e$	546.1	1,74620
$n_F$	486.1	1,75866
$n_{F'}$	480.0	1,76027
$n_g$	435.8	1,77446
$n_h$	404.7	1,78846
$n_i$	365.0	1,81452
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
<b>2500</b>		
<b>2325</b>	0,900	0,760
<b>1970</b>	0,963	0,910
<b>1530</b>	0,994	0,986
<b>1060</b>	0,998	0,995
<b>700</b>	0,999	0,998
<b>660</b>	0,999	0,997
<b>620</b>	0,999	0,997
<b>580</b>	0,998	0,995
<b>546</b>	0,997	0,993
<b>500</b>	0,996	0,990
<b>460</b>	0,991	0,977
<b>436</b>	0,984	0,960
<b>420</b>	0,971	0,930
<b>405</b>	0,950	0,880
<b>400</b>	0,940	0,860
<b>390</b>	0,910	0,780
<b>380</b>	0,840	0,650
<b>370</b>	0,730	0,460
<b>365</b>	0,650	0,340
<b>350</b>		
<b>334</b>		
<b>320</b>		
<b>310</b>		
<b>300</b>		
<b>290</b>		
<b>280</b>		
<b>270</b>		
<b>260</b>		
<b>250</b>		

Relative Partial Dispersion	
$P_{s,t}$	0,2090
$P_{C,s}$	0,4665
$P_{d,C}$	0,2890
$P_{e,d}$	0,2362
$P_{g,F}$	0,6020
$P_{i,h}$	0,9929
$P'_{s,t}$	0,2057
$P'_{C,s}$	0,5034
$P'_{d,C'}$	0,2401
$P'_{e,d}$	0,2325
$P'_{g,F'}$	0,5323
$P'_{i,h}$	0,9772

Constants of Dispersion Formula	
$B_1$	1,57230542
$B_2$	0,339661149
$B_3$	1,035937120
$C_1$	0,01203821830
$C_2$	0,0531603583
$C_3$	120,0053810

Constants of Formula for $dn/dT$	
$D_0$	3,72E-06
$D_1$	1,74E-08
$D_2$	-3,21E-11
$E_0$	1,49E-06
$E_1$	1,41E-09
$\lambda_{TK}$ [ $\mu m$ ]	0,260

Color Code	
$\lambda_{80} / \lambda_{5}$	40/35
(*= $\lambda_{70}/\lambda_{5}$ )	

Remarks	

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	-0,0032
$\Delta P_{C,s}$	-0,0021
$\Delta P_{F,e}$	0,0012
$\Delta P_{g,F}$	0,0056
$\Delta P_{i,g}$	0,0386

Other Properties	
$\alpha_{-30/+70^\circ C}$ [ $10^{-6}/K$ ]	8,4
$\alpha_{+20/+300^\circ C}$ [ $10^{-6}/K$ ]	9,5
$T_g$ [ $^\circ C$ ]	415
$T_{10}^{13}$ [ $^\circ C$ ]	404
$T_{10}^{7,6}$ [ $^\circ C$ ]	548
$c_p$ [ $J/(g \cdot K)$ ]	0,423
$\lambda$ [ $W/(m \cdot K)$ ]	0,706
$\rho$ [ $g/cm^3$ ]	4,64
$E$ [ $10^3 N/mm^2$ ]	56
$\mu$	0,236
$K$ [ $10^{-6} mm^2/N$ ]	1,53
$HK_{0,1/20}$	380
<b>CR</b>	1
<b>FR</b>	2
<b>SR</b>	4,3
<b>AR</b>	2,3
<b>PR</b>	2,3

Temperature Coefficients of the Refractive Index						
[ $^\circ C$ ]	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/K$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/K$ ]		
	1060.0	e	g	1060.0	e	g
-40/-20	4,0	6,8	10,2	1,7	4,5	7,7
+20/+40	4,6	7,8	11,5	3,1	6,2	10,0
+60/+80	5,0	8,4	12,4	3,8	7,2	11,2