

Brechzahl	n_d	1.58159	Abbe Zahl	V_d	40.86	Dispersion	$n_F - n_C$	0.01423	
		1.581591			V_e		40.58		0.014235
	n_e	1.584970						$n_{F'} - n_{C'}$	0.014415

Brechzahlen		
	λ (μm)	
n_{2325}	2.32542	1.54982
n_{1970}	1.97009	1.55460
n_{1530}	1.52958	1.55990
n_{1129}	1.12864	1.56502
n_t	1.01398	1.56687
n_s	0.85211	1.57029
$n_{A'}$	0.76819	1.57273
n_r	0.70652	1.57504
n_c	0.65627	1.57738
$n_{c'}$	0.64385	1.57804
$n_{\text{He-Ne}}$	0.6328	1.57866
n_D	0.58929	1.58147
n_d	0.58756	1.58159
n_e	0.54607	1.58497
n_F	0.48613	1.59161
$n_{F'}$	0.47999	1.59246
$n_{\text{He-Cd}}$	0.44157	1.59868
n_g	0.435835	1.59979
n_h	0.404656	1.60681
n_i	0.365015	1.61937
n_{334}	0.334148	1.63392
n_{326}	0.326106	1.63880

Thermische Eigenschaften		
Untere Kühltemp. ($^{\circ}\text{C}$)	StP	345
Obere Kühltemp. ($^{\circ}\text{C}$)	AP	379
Transformations-temperatur ($^{\circ}\text{C}$)	Tg	404
Ausdehnungsgrenze ($^{\circ}\text{C}$)	At	454
Erweichungstemp. ($^{\circ}\text{C}$)	SP	550
Wärmeausdehnungs-koeffizient α (-30~+70 $^{\circ}\text{C}$)		91
(10-7 / $^{\circ}\text{C}$)	(+100~+300 $^{\circ}\text{C}$)	107
Wärmeleitfähigkeit (W/m·K)	k	0.885

Mechanische Eigenschaften		
Elastizitätsmodul (108N/m 2)	E	596
Torsionsmodul (108N/m 2)	G	245
Poissonzahl	σ	0.217
Knoop Härte	Hk	450 [5]
Schleifhärte	Aa	145
Photoelastische Konstante (nm/cm/10 5 Pa)	β	2.88

Teildispersion	
$n_c - n_t$	0.010505
$n_c - n_{A'}$	0.004644
$n_d - n_c$	0.004213
$n_e - n_c$	0.007591
$n_g - n_d$	0.018194
$n_g - n_F$	0.008172
$n_h - n_g$	0.007026
$n_i - n_g$	0.019583
$n_{c'} - n_t$	0.011167
$n_e - n_{c'}$	0.006929
$n_{F'} - n_e$	0.007486
$n_i - n_{F'}$	0.026913

Abweichung relativer Teildispersion	
$\Delta\theta_{c,t}$	-0.0004
$\Delta\theta_{c,A'}$	0.0008
$\Delta\theta_{g,d}$	-0.0018
$\Delta\theta_{g,F}$	-0.0013
$\Delta\theta_{i,g}$	-0.0072

Konstanten der Dispersionsformel		
326 ~ 1129 nm		
A 1	1.31884698	
A 2	1.25014653	E-1
A 3	2.15794324	E-1
B 1	1.01474939	E-2
B 2	4.81636043	E-2
B 3	2.85517448	E1
1129 ~ 2325 nm		
A 1		
A 2		
A 3		
B 1		
B 2		
B 3		

Chemische Eigenschaften		
Wasserresistenz (Pulvergruppe)	RW(P)	1
Säureresistenz (Pulvergruppe)	RA(P)	1
Klimaresistenz (Oberflächengruppe)	W(S)	2
Säureresistenz (Oberflächengruppe)	SR	1.0
Phosphatresistenz	PR	2.0

Relative Teildispersion	
$\theta_{c,t}$	0.7380
$\theta_{c,A'}$	0.3262
$\theta_{d,c}$	0.2960
$\theta_{e,c}$	0.5333
$\theta_{g,d}$	1.2781
$\theta_{g,F}$	0.5741
$\theta_{h,g}$	0.4936
$\theta_{i,g}$	1.3757
$\theta'_{c,t}$	0.7747
$\theta'_{e,c'}$	0.4807
$\theta'_{F',e}$	0.5193
$\theta'_{i,F'}$	1.8670

Reintransmissionsgrad			
λ_{80}		λ_5	

CCI		
B	G	R

Reintransmissionsgrad			
λ (nm)	$\tau_{i10\text{ mm}}$	$\tau_{i25\text{ mm}}$	
280			
290			
300			
310			
320	0.470	0.420	
330	0.850	0.730	
340	0.963	0.916	
350	0.989	0.975	
360	0.996	0.990	
365	0.997	0.993	
370	0.998	0.995	
380	0.999	0.997	
390	0.999	0.998	
400	0.999	0.998	
420	0.999	0.999	
440	0.999	0.999	
460	0.999	0.999	
480	0.999	0.999	
500	0.999	0.999	
550	0.999	0.999	
600	0.999	0.999	
650	0.999	0.999	
700	0.999	0.999	
800	0.999	0.999	
900	0.999	0.999	
1000	0.999	0.999	
1200	0.999	0.999	
1400	0.998	0.996	
1600	0.996	0.990	
1800	0.980	0.952	
2000	0.955	0.890	
2200	0.911	0.790	
2400	0.880	0.720	

Andere Eigenschaften									
Blasenqualitätsgruppe	B		Färbung	$\lambda_{80}/\lambda_{70}$	335				
Spezifische Dichte	d	3.27		λ_5		310			
Temperaturkoeffizienten der Brechzahl									
Temperaturbereich ($^{\circ}\text{C}$)	dn / dT relativ ($10^{-6}/^{\circ}\text{C}$)								
	t	C'	He-Ne	D	e	F'	g	i	
-40 ~ -20	1.0	1.7	1.7	1.9	2.2	2.8	3.4	5.5	
-20 ~ 0	1.0	1.7	1.7	1.9	2.2	2.8	3.5	5.7	
0 ~ 20	1.1	1.8	1.8	2.0	2.3	3.0	3.7	5.9	
20 ~ 40	1.1	1.9	1.9	2.1	2.4	3.1	3.8	6.1	
40 ~ 60	1.2	2.0	2.0	2.2	2.5	3.2	4.0	6.3	
60 ~ 80	1.4	2.1	2.2	2.4	2.7	3.4	4.2	6.6	