

434950 K-CaFK95	nd	1.43425	νd	95.0	nF-nC	0.00457
	ne	1.43535	νe	94.4	nF'-nC'	0.00461

屈折率 Refractive Indices		
n1548	1548.1	1.42562
n1309	1308.5	1.42706
nt	1014.0	1.42898
nA'	768.2	1.43121
nr	706.5	1.43203
nC	656.3	1.43285
nC'	643.8	1.43308
nD	589.3	1.43422
nd	587.6	1.43425
ne	546.1	1.43535
nF	486.1	1.43742
nF'	480.0	1.43769
ng	435.8	1.43986
nh	404.7	1.44187
ni	365.0	1.44523

分散式の常数 Constants of Dispersion Formula	
A0	2.0408226
A1	$-4.5471403 \times 10^{-3}$
A2	5.8631038×10^{-3}
A3	1.2966471×10^{-4}
A4	$-1.1902639 \times 10^{-5}$
A5	6.9279944×10^{-7}

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	-2.06×10^{-5}
D1	-5.62×10^{-9}
D2	-2.69×10^{-11}
E0	3.17×10^{-7}
E1	3.49×10^{-10}
$\lambda_{TK} (\mu m)$	0.174

部分分散および部分分散比 Partial Dispersions and Relative Partial Dispersions			
nC-nt	nC-nA'	nd-nC	ne-nC
0.00387	0.00164	0.00140	0.00250
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.847	0.359	0.306	0.547
ng-nd	ng-nF	nh-ng	ni-ng
0.00561	0.00244	0.00201	0.00537
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.228	0.534 (0.0496)	0.440	1.175
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.00410	0.00227	0.00234	0.00754
$\theta'_{C',t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.889	0.492	0.508	1.636

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌープ硬さ Hk Knoop Hardness	331 (3)	転移点 Tg (°C) Transformation Point	431
ビッカース硬さ Hv Vickers Hardness	348	屈伏点 At (°C) Yielding Point	450
摩耗度 Ha Abrasion	500	線膨張係数 $\alpha (\times 10^{-7} \text{°C}^{-1})$ Thermal Expansion	
ヤング率 E ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Young's Modulus	718	(-30~+70°C) 129 (+100~+300°C) 167	
剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity	279	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity	0.796
ポアソン比 σ Poisson Ratio	0.287	比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat	730
化学的性質 Chemical Properties		その他 Other Properties	
耐水性(粉末法) RW Water Resistance	2	泡 B Bubbles	BB
耐酸性(粉末法) RA Acid Resistance	4	着色度 C Coloration	33/28
耐久性(表面法) DW Chemical Durability	1	比重 S.g Specific Gravity	3.54
備考 Remarks		生産頻度 PF Production frequency	C

内部透過率 τ Internal Transmittance		
$\lambda(\text{nm})$	3mm	10mm
270	0.088	
280	0.177	
290	0.321	0.023
300	0.506	0.104
310	0.689	0.290
320	0.826	0.531
330	0.913	0.739
340	0.958	0.868
350	0.980	0.936
360	0.991	0.972
370	0.996	0.987
380	0.998	0.994
390	0.998	0.995
400	0.998	0.995
420	0.998	0.995
440	0.998	0.996
460	0.998	0.996
480	0.999	0.997
500	0.999	0.998
550	0.999	0.999
600	0.999	0.998
650	0.999	0.998
700	0.999	0.998
800	0.999	0.998
1060	0.999	0.999
1500	0.999	0.999
2000	0.999	0.999

屈折率の温度係数 Temperature Coefficients of Refractive Index						
(°C)	(dn/dT)rel. ($\times 10^{-6} \text{°C}^{-1}$)			(dn/dT)abs. ($\times 10^{-6} \text{°C}^{-1}$)		
	1548.1	d	g	1548.1	d	g
-40/-20	-5.4	-5.2	-4.9	-7.3	-7.1	-6.9
0/+20	-6.0	-5.8	-5.5	-7.4	-7.2	-6.9
+40/+60	-6.5	-6.2	-5.9	-7.6	-7.3	-7.0