

810410 K-VC89	nd	1.81000	$\nu_d$	41.0	nF-nC	0.01976
	ne	1.81469	$\nu_e$	40.8	nF'-nC'	0.01999

屈折率 Refractive Indices		
n1548	1548.1	1.77922
n1309	1308.5	1.78331
nt	1014.0	1.78938
nA'	768.2	1.79755
nr	706.5	1.80080
nC	656.3	1.80410
nC'	643.9	1.80503
nD	589.3	1.80982
nd	587.6	1.81000
ne	546.1	1.81469
nF	486.1	1.82386
nF'	480.0	1.82502
ng	435.8	1.83507
nh	404.7	1.84464
ni	365.0	1.86153

分散式の常数 Constants of Dispersion Formula	
A0	3.1860388
A1	$-1.3756822 \times 10^{-2}$
A2	$2.9614017 \times 10^{-2}$
A3	$1.2383727 \times 10^{-3}$
A4	$-8.0134175 \times 10^{-5}$
A5	$7.2330635 \times 10^{-6}$

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	$5.61 \times 10^{-6}$
D1	$1.72 \times 10^{-8}$
D2	$-1.79 \times 10^{-10}$
E0	$7.49 \times 10^{-7}$
E1	$7.58 \times 10^{-10}$
$\lambda_{TK} (\mu m)$	0.227

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
0.01472	0.00655	0.00590	0.01059
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.745	0.331	0.299	0.536
ng-nd	ng-nF	nh-ng	ni-ng
0.02507	0.01121	0.00957	0.02646
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.269	0.567 (-0.0079)	0.484	1.339
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.01565	0.00966	0.01033	0.03651
$\theta'_{C,t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.783	0.483	0.517	1.826

機械的性質 Mechanical Properties	熱的性質 Thermal Properties
ヌープ硬さ Hk Knoop Hardness 644 (6)	転移点 Tg (°C) Transformation Point 528
ビッカース硬さ Hv Vickers Hardness 654	屈伏点 At (°C) Yielding Point 559
摩耗度 Ha Abrasion 78	線膨張係数 $\alpha (\times 10^{-7} \text{°C}^{-1})$ Thermal Expansion (-30~+70°C) 64 (+100~+300°C) 83
ヤング率 E ( $\times 10^8 \text{N}\cdot\text{m}^{-2}$ ) Young's Modulus 1124	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity 0.831
剛性率 G ( $\times 10^8 \text{N}\cdot\text{m}^{-2}$ ) Modulus of Rigidity 436	比熱 Cp ( $\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$ ) Specific Heat 516
ポアソン比 $\sigma$ Poisson Ratio 0.290	その他 Other Properties
耐水性(粉末法) RW Water Resistance 1	泡 B Bubbles
耐酸性(粉末法) RA Acid Resistance 3	着色度 C Coloration 40/34
耐久性(表面法) DW Chemical Durability 1	比重 S.g Specific Gravity 4.75
備考 Remarks	生産頻度 PF Production frequency A

内部透過率 $\tau$ Internal Transmittance		
$\lambda(\text{nm})$	3mm	10mm
270		
280		
290		
300		
310		
320		
330	0.24 <sub>9</sub>	
340	0.59 <sub>9</sub>	0.18 <sub>1</sub>
350	0.82 <sub>4</sub>	0.52 <sub>6</sub>
360	0.91 <sub>9</sub>	0.75 <sub>5</sub>
370	0.95 <sub>8</sub>	0.86 <sub>6</sub>
380	0.97 <sub>5</sub>	0.92 <sub>1</sub>
390	0.98 <sub>3</sub>	0.94 <sub>5</sub>
400	0.98 <sub>8</sub>	0.96 <sub>3</sub>
420	0.99 <sub>2</sub>	0.97 <sub>6</sub>
440	0.99 <sub>5</sub>	0.98 <sub>3</sub>
460	0.99 <sub>6</sub>	0.98 <sub>8</sub>
480	0.99 <sub>7</sub>	0.99 <sub>1</sub>
500	0.99 <sub>8</sub>	0.99 <sub>3</sub>
550	0.99 <sub>8</sub>	0.99 <sub>5</sub>
600	0.99 <sub>8</sub>	0.99 <sub>7</sub>
650	0.99 <sub>8</sub>	0.99 <sub>7</sub>
700	0.99 <sub>8</sub>	0.99 <sub>7</sub>
800	0.99 <sub>8</sub>	0.99 <sub>8</sub>
1060	0.99 <sub>8</sub>	0.99 <sub>8</sub>
1500	0.99 <sub>8</sub>	0.99 <sub>8</sub>
2000	0.99 <sub>2</sub>	0.97 <sub>5</sub>

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	4.1	5.5	7.3	1.7	3.0	4.8
0/+20	5.1	6.7	8.6	3.4	4.8	6.8
+40/+60	5.3	7.0	9.1	4.0	5.6	7.7