

810410 K-VC89	nd	1.81000	ν_d	41.0	nF-nC	0.01976
	ne	1.81469	ν_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	2.9614017×10^{-2}
A3	1.2383727×10^{-3}
A4	$-8.0134175 \times 10^{-5}$
A5	7.2330635×10^{-6}

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	5.61×10^{-6}
D1	1.72×10^{-8}
D2	-1.79×10^{-10}
E0	7.49×10^{-7}
E1	7.58×10^{-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	
ヤング率 E ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Young's Modulus	1124	(-30~+70°C) 64 (+100~+300°C) 83	
剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity	436	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity	0.831
ポアソン比 σ Poisson Ratio	0.290	比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat	516
化学的性質 Chemical Properties		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 τ Internal Transmittance		
$\lambda(\text{nm})$	3mm	10mm
270		
280		
290		
300		
310		
320		
330	0.267	
340	0.590	0.172
350	0.820	0.516
360	0.919	0.755
370	0.959	0.870
380	0.977	0.926
390	0.985	0.953
400	0.989	0.966
420	0.993	0.979
440	0.995	0.985
460	0.996	0.989
480	0.997	0.992
500	0.998	0.995
550	0.999	0.997
600	0.999	0.996
650	0.999	0.997
700	0.999	0.997
800	0.999	0.998
1060	0.999	0.999
1500	0.999	0.997
2000	0.991	0.971

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