

592683 K-GFK68	nd	1.59240	$\nu_d$	68.3	nF-nC	0.00867
	ne	1.59446	$\nu_e$	68.0	nF'-nC'	0.00874

屈折率 Refractive Indices		
n1548	1548.1	1.57817
n1309	1308.5	1.58014
nt	1014.0	1.58301
nA'	768.2	1.58684
nr	706.5	1.58830
nC	656.3	1.58978
nC'	643.8	1.59020
nD	589.3	1.59232
nd	587.6	1.59240
ne	546.1	1.59446
nF	486.1	1.59845
nF'	480.0	1.59894
ng	435.8	1.60318
nh	404.7	1.60710
ni	365.0	1.61375

分散式の常数 Constants of Dispersion Formula	
A0	2.4994867
A1	$-5.9285872 \times 10^{-3}$
A2	$1.2743526 \times 10^{-2}$
A3	$1.5469636 \times 10^{-4}$
A4	$3.9947612 \times 10^{-6}$
A5	$-1.7603560 \times 10^{-7}$

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	$-2.36 \times 10^{-5}$
D1	$2.85 \times 10^{-9}$
D2	$4.82 \times 10^{-11}$
E0	$4.01 \times 10^{-7}$
E1	$2.74 \times 10^{-10}$
$\lambda_{TK} (\mu m)$	0.183

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
0.00677	0.00294	0.00262	0.00468
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.781	0.339	0.302	0.540
ng-nd	ng-nF	nh-ng	ni-ng
0.01078	0.00473	0.00392	0.01057
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.243	0.546 (0.0167)	0.452	1.219
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.00719	0.00426	0.00448	0.01481
$\theta'_{C,t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.823	0.487	0.513	1.695

機械的性質 Mechanical Properties	熱的性質 Thermal Properties
ヌープ硬さ Hk Knoop Hardness 368 (4)	転移点 Tg (°C) Transformation Point 512
ビッカース硬さ Hv Vickers Hardness 390	屈伏点 At (°C) Yielding Point 536
摩耗度 Ha Abrasion 540	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 683	(-30~+70°C) 129 (+100~+300°C) 152
剛性率 G ( $\times 10^8 \text{N}\cdot\text{m}^{-2}$ ) Modulus of Rigidity 261	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity 0.567
ポアソン比 $\sigma$ Poisson Ratio 0.308	比熱 Cp ( $\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$ ) Specific Heat 487

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 B
耐酸性(粉末法) RA Acid Resistance 1	着色度 C Coloration 34/28
耐久性(表面法) DW Chemical Durability 1	比重 S.g Specific Gravity 4.51
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	0.756	0.395
280	0.804	0.483
290	0.860	0.605
300	0.890	0.680
310	0.893	0.687
320	0.957	0.866
330	0.973	0.915
340	0.986	0.955
350	0.992	0.974
360	0.995	0.986
370	0.997	0.991
380	0.998	0.995
390	0.998	0.995
400	0.998	0.996
420	0.999	0.997
440	0.999	0.998
460	0.999	0.998
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
1060	0.999	0.999
1500	0.999	0.999
2000	0.999	0.998

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	-8.9	-8.6	-8.1	-11.0	-10.8	-10.4
0/+20	-9.5	-9.2	-8.7	-11.1	-10.8	-10.3
+40/+60	-9.7	-9.4	-8.9	-10.9	-10.6	-10.1