696590 K-LaFK58						
	nd	1.69560	ν d	59.0	nF−nC	0.01178
	ne	1.69841	ν e	58.8	nF'−nC'	0.01188

屈 折 率 Refractive Indices

n1548	1548.1	1.67418
n1309	1308.5	1.67767
nt	1014.0	1.68234
nA'	768.2	1.68793
nr	706.5	1.68998
nC	656.3	1.69202
nC'	643.9	1.69259
nD	589.3	1.69550
nd	587.6	1.69560
ne	546.1	1.69841
nF	486.1	1.70380
nF'	480.0	1.70447
ng	435.8	1.71020
nh	404.7	1.71551
ni	365.0	1.72456

分散式の常数 Constants of Dispersion Formula

A0	2.8262526
A1	$-1.2785561 \times 10^{-2}$
A2	1.7234088×10^{-2}
A3	4.4361050×10^{-4}
A4	$-2.0762175 \times 10^{-5}$
A5	1.2592648×10^{-6}

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
0.00968	0.00409	0.00358	0.00639
θ C,t	θ C,A'	θ d,C	θ e,C
0.822	0.347	0.304	0.542
ng−nd	ng−nF	nh−ng	ni−ng
0.01460	0.00640	0.00531	0.01436
θ g,d	θ g,F(Δ)	θ h,g	θ i,g
1.239	0.543 (−0.0019)	0.451	1.219
nC'−nt	ne−nC'	nF'−ne	ni−nF'
0.01025	0.00582	0.00606	0.02009
θ 'C',t	θ 'e,C'	θ 'F',e	θ 'i,F'
0.863	0.490	0.510	1.691

機械的性質 Mechanical Properties

ヌープ硬さ Hk Knoop Hardness	635 (6)
ビッカース硬さ Hv Vickers Hardness	613
摩耗度 Ha Abrasion	130
ヤング率 E ($\times 10^8$ N·m^{-2}) Young's Modulus	1134
剛性率 G ($\times 10^8$ N·m^{-2}) Modulus of Rigidity	438
ポアソン比 σ Poisson Ratio	0.293

熱的性質 Thermal Properties

転移点 Tg (℃) Transformation Point	542
屈伏点 At (℃) Yielding Point	577
線膨張係数 α ($\times 10^{-7}$℃$^{-1}$) Thermal Expansion	
(−30〜+70℃)	69
(+100〜+300℃)	93
熱伝導率 λ (W·m^{-1}·K^{-1}) Thermal Conductivity	0.806
比熱 Cp (J·kg^{-1}·K^{-1}) Specific Heat	515

化学的性質 Chemical Properties

耐水性(粉末法) RW Water Resistance	1
耐酸性(粉末法) RA Acid Resistance	4
耐久性(表面法) DW Chemical Durability	1
備考 Remarks	

その他 Other Properties

泡 B Bubbles	
着色度 C Coloration	36/28
比重 S.g Specific Gravity	4.56
生産頻度 PF Production frequency	C

内部透過率 τ Internal Transmittance

λ(nm)	3mm	10mm
270	0.471	0.082
280	0.530	0.121
290	0.621	0.204
300	0.683	0.282
310	0.700	0.305
320	0.841	0.564
330	0.897	0.697
340	0.937	0.807
350	0.962	0.880
360	0.978	0.930
370	0.988	0.962
380	0.992	0.975
390	0.995	0.985
400	0.997	0.993
420	0.998	0.996
440	0.999	0.997
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	0.994	0.980

dn/dTの分散常数 Constants of Dispersion dn/dT abs.

D0	-4.73×10^{-6}
D1	9.33×10^{-9}
D2	-1.14×10^{-10}
E0	4.36×10^{-7}
E1	4.83×10^{-10}
λ_{TK} (μm)	0.169

屈折率の温度係数 Temperature Coefficients of Refractive Index

	(dn/dT)rel. ($\times 10^{-6}$℃$^{-1}$)			(dn/dT)abs. ($\times 10^{-6}$℃$^{-1}$)		
(℃)	1548.1	d	g	1548.1	d	g
−40/−20	−1.2	−0.6	0.0	−3.4	−2.9	−2.3
0/+20	−0.9	−0.3	0.4	−2.6	−2.0	−1.3
+40/+60	−1.0	−0.4	0.4	−2.3	−1.7	−0.9

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