584569 K-CSK158	nd	1.58400	νd	56.9	nF−nC	0.01027
	ne	1.58645	νe	56.6	nF'−nC'	0.01037

屈 折 率 Refractive Indices

n1548	1548.1	1.56627
n1309	1308.5	1.56896
nt	1014.0	1.57269
nA'	768.2	1.57737
nr	706.5	1.57913
nC	656.3	1.58089
nC'	643.9	1.58138
nD	589.3	1.58391
nd	587.6	1.58400
ne	546.1	1.58645
nF	486.1	1.59116
nF'	480.0	1.59175
ng	435.8	1.59678
nh	404.7	1.60146
ni	365.0	1.60945

分散式の常数 Constants of Dispersion Formula

A0	2.4681590
A1	$-8.7509308 \times 10^{-3}$
A2	1.4283200×10^{-2}
A3	3.3301479×10^{-4}
A4	$-1.3093240 \times 10^{-5}$
A5	9.1735223×10^{-7}

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
0.00820	0.00352	0.00311	0.00556
θ C,t	θ C,A'	θ d,C	θ e,C
0.798	0.343	0.303	0.541
ng−nd	ng−nF	nh−ng	ni−ng
0.01278	0.00562	0.00468	0.01267
θ g,d	θ g,F(Δ)	θ h,g	θ i,g
1.244	0.547 (−0.0015)	0.456	1.234
nC'−nt	ne−nC'	nF'−ne	ni−nF'
0.00869	0.00507	0.00530	0.01770
θ 'C',t	θ 'e,C'	θ 'F',e	θ 'i,F'
0.838	0.489	0.511	1.707

機械的性質 Mechanical Properties

ヌープ硬さ Hk Knoop Hardness	542 (5)
ビッカース硬さ Hv Vickers Hardness	510
摩耗度 Ha Abrasion	170
ヤング率 E (×10⁸N·m⁻²) Young's Modulus	859
剛性率 G (×10⁸N·m⁻²) Modulus of Rigidity	339
ポアソン比 σ Poisson Ratio	0.266

熱的性質 Thermal Properties

転移点 Tg (℃) Transformation Point	473
屈伏点 At (℃) Yielding Point	529
線膨張係数 α (×10⁻⁷℃⁻¹) Thermal Expansion	
(−30〜+70℃)	90
(+100〜+300℃)	112
熱伝導率 λ (W·m⁻¹·K⁻¹) Thermal Conductivity	0.874
比熱 Cp (J·kg⁻¹·K⁻¹) Specific Heat	674

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	3
耐久性(表面法) DW Chemical Durability	2
備考 Remarks	

その他 Other Properties

泡 B Bubbles	
着色度 C Coloration	34/31
比重 S.g Specific Gravity	3.06
生産頻度 PF Production frequency	

内部透過率 τ Internal Transmittance

λ(nm)	3mm	10mm
270		
280		
290	0.123	
300	0.304	0.019
310	0.573	0.157
320	0.778	0.435
330	0.892	0.686
340	0.948	0.838
350	0.973	0.916
360	0.986	0.956
370	0.992	0.976
380	0.994	0.983
390	0.995	0.986
400	0.996	0.990
420	0.997	0.991
440	0.997	0.992
460	0.997	0.993
480	0.998	0.994
500	0.998	0.995
550	0.999	0.996
600	0.999	0.996
650	0.999	0.996
700	0.999	0.997
800	0.999	0.999
1060	0.999	0.998
1500	0.999	0.998
2000	0.991	0.971

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

D0	-3.87×10^{-6}
D1	1.28×10^{-8}
D2	-1.16×10^{-10}
E0	5.43×10^{-7}
E1	5.44×10^{-10}
λTK (μm)	0.179

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

	(dn/dT)rel. (×10⁻⁶℃⁻¹)			(dn/dT)abs. (×10⁻⁶℃⁻¹)		
(℃)	1548.1	d	g	1548.1	d	g
−40/−20	−0.6	0.0	0.8	−2.7	−2.1	−1.4
0/+20	−0.3	0.4	1.2	−1.8	−1.2	−0.4
+40/+60	−0.3	0.5	1.4	−1.5	−0.8	0.1