911352 K-LaSFn23	nd	1.91100	νd	35.2	nF−nC	0.02587
	ne	1.91713	νe	35.0	nF'−nC'	0.02622

屈 折 率 Refractive Indices

n1548	1548.1	1.87336
n1309	1308.5	1.87789
nt	1014.0	1.88497
nA'	768.2	1.89514
nr	706.5	1.89922
nC	656.3	1.90341
nC'	643.8	1.90460
nD	589.3	1.91077
nd	587.6	1.91100
ne	546.1	1.91713
nF	486.1	1.92928
nF'	480.0	1.93082
ng	435.8	1.94437
nh	404.7	1.95749
ni	365.0	1.98129

分散式の常数 Constants of Dispersion Formula

A0	3.5274271
A1	$-1.4636660 \times 10^{-2}$
A2	4.0395739×10^{-2}
A3	1.5517485×10^{-3}
A4	$-4.6386509 \times 10^{-5}$
A5	9.1517458×10^{-6}

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

D0	1.83×10^{-8}
D1	1.49×10^{-8}
D2	-2.69×10^{-10}
E0	8.28×10^{-7}
E1	7.87×10^{-10}
λTK (μm)	0.248

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
0.01844	0.00827	0.00759	0.01372
θC,t	θC,A'	θd,C	θe,C
0.713	0.320	0.293	0.530
ng−nd	ng−nF	nh−ng	ni−ng
0.03337	0.01509	0.01312	0.03692
θg,d	θg,F(Δ)	θh,g	θi,g
1.290	0.583 (−0.0019)	0.507	1.427
nC'−nt	ne−nC'	nF'−ne	ni−nF'
0.01963	0.01253	0.01369	0.05047
θ'C',t	θ'e,C'	θ'F',e	θ'i,F'
0.749	0.478	0.522	1.925

機械的性質 Mechanical Properties / 熱的性質 Thermal Properties

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌープ硬さ Hk Knoop Hardness	724 (7)	転移点 Tg (℃) Transformation Point	714
ビッカース硬さ Hv Vickers Hardness	721	屈伏点 At (℃) Yielding Point	750
摩耗度 Ha Abrasion	60	線膨張係数 α (×10⁻⁷℃⁻¹) Thermal Expansion (−30〜+70℃)	69
ヤング率 E (×10⁸N·m⁻²) Young's Modulus	1240	(+100〜+300℃)	88
剛性率 G (×10⁸N·m⁻²) Modulus of Rigidity	479	熱伝導率 λ (W·m⁻¹·K⁻¹) Thermal Conductivity	
ポアソン比 σ Poisson Ratio	0.295	比熱 Cp (J·kg⁻¹·K⁻¹) Specific Heat	
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	1	着色度 C Coloration	(41)/36
耐久性(表面法) DW Chemical Durability	1	比重 S.g Specific Gravity	4.90
備考 Remarks		生産頻度 PF Production frequency	

内部透過率 τ Internal Transmittance

λ(nm)	3mm	10mm
270		
280		
290		
300		
310		
320		
330		
340	0.111	
350	0.318	0.022
360	0.612	0.195
370	0.790	0.457
380	0.877	0.647
390	0.921	0.762
400	0.947	0.835
420	0.971	0.908
440	0.981	0.941
460	0.988	0.961
480	0.992	0.974
500	0.995	0.984
550	0.998	0.994
600	0.998	0.995
650	0.998	0.995
700	0.998	0.995
800	0.999	0.997
1060	0.999	0.999
1500	0.999	0.999
2000	0.995	0.985

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	0.4	2.0	4.4	−2.1	−0.6	1.7
0/+20	1.8	3.7	6.2	0.0	1.7	4.3
+40/+60	1.8	3.7	6.5	0.4	2.3	5.0

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