749453 K-VC174	nd	1.74850	νd	45.3	nF−nC	0.01653
	ne	1.75244	νe	45.0	nF'−nC'	0.01671

屈 折 率 Refractive Indices

n1548	1548.1	1.72187
n1309	1308.5	1.72557
nt	1014.0	1.73094
nA'	768.2	1.73805
nr	706.5	1.74079
nC	656.3	1.74356
nC'	643.9	1.74434
nD	589.3	1.74836
nd	587.6	1.74850
ne	546.1	1.75244
nF	486.1	1.76009
nF'	480.0	1.76105
ng	435.8	1.76935
nh	404.7	1.77717
ni	365.0	1.79080

分散式の常数 Constants of Dispersion Formula

A0	2.9840633
A1	$-1.2410593 \times 10^{-2}$
A2	2.4927807×10^{-2}
A3	6.5043729×10^{-4}
A4	$-1.2933305 \times 10^{-5}$
A5	1.9810658×10^{-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
0.01262	0.00551	0.00494	0.00888
θ C,t	θ C,A'	θ d,C	θ e,C
0.763	0.333	0.299	0.537
ng−nd	ng−nF	nh−ng	ni−ng
0.02085	0.00926	0.00782	0.02145
θ g,d	θ g,F(Δ)	θ h,g	θ i,g
1.261	0.560 (−0.0080)	0.473	1.298
nC'−nt	ne−nC'	nF'−ne	ni−nF'
0.01340	0.00810	0.00861	0.02975
θ 'C',t	θ 'e,C'	θ 'F',e	θ 'i,F'
0.802	0.485	0.515	1.780

機械的性質 Mechanical Properties

ヌープ硬さ Hk Knoop Hardness	585 (6)
ビッカース硬さ Hv Vickers Hardness	606
摩耗度 Ha Abrasion	124
ヤング率 E (×10⁸N·m⁻²) Young's Modulus	1074
剛性率 G (×10⁸N·m⁻²) Modulus of Rigidity	414
ポアソン比 σ Poisson Ratio	0.297

熱的性質 Thermal Properties

転移点 Tg (℃) Transformation Point	524
屈伏点 At (℃) Yielding Point	562
線膨張係数 α (×10⁻⁷℃⁻¹) Thermal Expansion	
(−30〜+70℃)	83
(+100〜+300℃)	105
熱伝導率 λ (W·m⁻¹·K⁻¹) Thermal Conductivity	
比熱 Cp (J·kg⁻¹·K⁻¹) Specific Heat	

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	1
備考 Remarks	

その他 Other Properties

泡 B Bubbles	
着色度 C Coloration	38/31
比重 S.g Specific Gravity	3.92
生産頻度 PF Production frequency	

内部透過率 τ Internal Transmittance

λ(nm)	3mm	10mm
270		
280		
290		
300	0.254	
310	0.489	0.092
320	0.703	0.309
330	0.810	0.497
340	0.880	0.654
350	0.926	0.774
360	0.954	0.856
370	0.971	0.908
380	0.981	0.941
390	0.987	0.958
400	0.990	0.968
420	0.993	0.977
440	0.994	0.983
460	0.996	0.987
480	0.997	0.991
500	0.998	0.994
550	0.998	0.996
600	0.998	0.996
650	0.999	0.996
700	0.999	0.997
800	0.999	0.997
1060	0.999	0.998
1500	0.999	0.997
2000	0.991	0.972

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

D0	-3.16×10^{-6}
D1	1.43×10^{-8}
D2	-9.72×10^{-11}
E0	6.22×10^{-7}
E1	4.32×10^{-10}
λTK (μm)	0.214

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	0.4	1.7	−2.9	−2.0	−0.8
0/+20	−0.1	0.9	2.3	−1.8	−0.8	0.5
+40/+60	0.0	1.1	2.5	−1.3	−0.2	1.2