587590 K-SKLD200						
	nd	1.58660	ν d	59.0	nF−nC	0.00994
	ne	1.58897	ν e	58.8	nF'−nC'	0.01002

屈 折 率 Refractive Indices

n1548	1548.1	1.56793
n1309	1308.5	1.57107
nt	1014.0	1.57522
nA'	768.2	1.58007
nr	706.5	1.58183
nC	656.3	1.58357
nC'	643.9	1.58405
nD	589.3	1.58651
nd	587.6	1.58660
ne	546.1	1.58897
nF	486.1	1.59351
nF'	480.0	1.59407
ng	435.8	1.59889
nh	404.7	1.60335
ni	365.0	1.61093

分散式の常数 Constants of Dispersion Formula

A0	2.4786815
A1	$-1.0928711 \times 10^{-2}$
A2	1.4104052×10^{-2}
A3	1.5365594×10^{-4}
A4	1.1942960×10^{-5}
A5	$-5.3372519 \times 10^{-7}$

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
0.00835	0.00350	0.00303	0.00540
θ C,t	θ C,A'	θ d,C	θ e,C
0.840	0.352	0.305	0.543
ng−nd	ng−nF	nh−ng	ni−ng
0.01229	0.00538	0.00446	0.01204
θ g,d	θ g,F(Δ)	θ h,g	θ i,g
1.236	0.541 (−0.0039)	0.449	1.211
nC'−nt	ne−nC'	nF'−ne	ni−nF'
0.00883	0.00492	0.00510	0.01686
θ 'C',t	θ 'e,C'	θ 'F',e	θ 'i,F'
0.881	0.491	0.509	1.683

機械的性質 Mechanical Properties

ヌープ硬さ Hk Knoop Hardness	599 (6)
ビッカース硬さ Hv Vickers Hardness	558
摩耗度 Ha Abrasion	90
ヤング率 E ($\times 10^8$ N·m^{-2}) Young's Modulus	994
剛性率 G ($\times 10^8$ N·m^{-2}) Modulus of Rigidity	395
ポアソン比 σ Poisson Ratio	0.258

熱的性質 Thermal Properties

転移点 Tg (℃) Transformation Point	507
屈伏点 At (℃) Yielding Point	548
線膨張係数 α ($\times 10^{-7}$℃$^{-1}$) Thermal Expansion	
(−30〜+70℃)	74
(+100〜+300℃)	88
熱伝導率 λ (W·m^{-1}·K^{-1}) Thermal Conductivity	1.160
比熱 Cp (J·kg^{-1}·K^{-1}) Specific Heat	841

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	1
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	35/30
比重 S.g Specific Gravity	2.70
生産頻度 PF Production frequency	A

内部透過率 τ Internal Transmittance

λ(nm)	3mm	10mm
270	0.070	
280	0.161	
290	0.285	0.015
300	0.453	0.071
310	0.631	0.215
320	0.778	0.436
330	0.876	0.642
340	0.934	0.795
350	0.967	0.893
360	0.983	0.945
370	0.991	0.970
380	0.995	0.984
390	0.997	0.990
400	0.998	0.995
420	0.998	0.995
440	0.998	0.995
460	0.999	0.997
480	0.999	0.997
500	0.999	0.999
550	0.999	0.999
600	0.999	0.998
650	0.999	0.998
700	0.999	0.998
800	0.999	0.997
1060	0.999	0.997
1500	0.998	0.996
2000	0.993	0.980

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

D0	5.75×10^{-6}
D1	1.47×10^{-8}
D2	-2.92×10^{-11}
E0	5.60×10^{-7}
E1	7.11×10^{-10}
λ_{TK} (μm)	0.138

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	4.1	4.8	5.6	2.0	2.7	3.4
0/+20	4.2	5.0	5.8	2.6	3.4	4.2
+40/+60	4.4	5.2	6.2	3.2	4.0	4.9