610579 K-VC79	nd	1.61035	νd	57.9	nF−nC	0.01054
	ne	1.61286	νe	57.7	nF'−nC'	0.01063

屈 折 率 Refractive Indices

n1548	1548.1	1.59099
n1309	1308.5	1.59417
nt	1014.0	1.59843
nA'	768.2	1.60347
nr	706.5	1.60531
nC	656.3	1.60714
nC'	643.8	1.60765
nD	589.3	1.61025
nd	587.6	1.61035
ne	546.1	1.61286
nF	486.1	1.61768
nF'	480.0	1.61828
ng	435.8	1.62338
nh	404.7	1.62810
ni	365.0	1.63618

分散式の常数 Constants of Dispersion Formula

A0	2.5520489
A1	$-1.1234947 \times 10^{-2}$
A2	1.4455084×10^{-2}
A3	4.6725318×10^{-4}
A4	$-3.6714004 \times 10^{-5}$
A5	2.2810504×10^{-6}

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

D0	5.06×10^{-7}
D1	1.46×10^{-8}
D2	-2.13×10^{-11}
E0	4.85×10^{-7}
E1	4.45×10^{-11}
λ_{TK} (μm)	0.187

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
0.00871	0.00367	0.00321	0.00572
θC,t	θC,A'	θd,C	θe,C
0.826	0.348	0.305	0.543
ng−nd	ng−nF	nh−ng	ni−ng
0.01303	0.00570	0.00472	0.01280
θg,d	θg,F(Δ)	θh,g	θi,g
1.236	0.541 (−0.0060)	0.448	1.214
nC'−nt	ne−nC'	nF'−ne	ni−nF'
0.00922	0.00521	0.00542	0.01790
θ'C',t	θ'e,C'	θ'F',e	θ'i,F'
0.867	0.490	0.510	1.684

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌープ硬さ Hk Knoop Hardness	599 (6)	転移点 Tg (℃) Transformation Point	516
ビッカース硬さ Hv Vickers Hardness	609	屈伏点 At (℃) Yielding Point	553
摩耗度 Ha Abrasion	120	線膨張係数 α ($\times 10^{-7}$℃$^{-1}$) Thermal Expansion (−30〜+70℃)	72
ヤング率 E ($\times 10^{8}$N·m^{-2}) Young's Modulus	1008	(+100〜+300℃)	93
剛性率 G ($\times 10^{8}$N·m^{-2}) Modulus of Rigidity	401	熱伝導率 λ (W·m^{-1}·K^{-1}) Thermal Conductivity	1.010
ポアソン比 σ Poisson Ratio	0.256	比熱 Cp (J·kg^{-1}·K^{-1}) Specific Heat	727
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	4	着色度 C Coloration	34/29
耐久性(表面法) DW Chemical Durability	2	比重 S.g Specific Gravity	3.09
備考 Remarks		生産頻度 PF Production frequency	A

内部透過率 τ Internal Transmittance

λ(nm)	3mm	10mm
270	0.334	0.026
280	0.425	0.058
290	0.560	0.144
300	0.689	0.289
310	0.782	0.441
320	0.885	0.666
330	0.935	0.799
340	0.965	0.889
350	0.981	0.939
360	0.990	0.967
370	0.994	0.982
380	0.996	0.988
390	0.997	0.991
400	0.997	0.992
420	0.997	0.992
440	0.997	0.992
460	0.998	0.994
480	0.999	0.997
500	0.999	0.997
550	0.999	0.998
600	0.999	0.996
650	0.999	0.996
700	0.999	0.997
800	0.999	0.998
1060	0.999	0.999
1500	0.999	0.997
2000	0.993	0.978

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	1.7	2.4	3.2	−0.4	0.2	1.0
0/+20	1.8	2.5	3.3	0.2	0.9	1.7
+40/+60	1.9	2.7	3.5	0.7	1.4	2.3

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