558682 K-PMK155						
	nd	1.55820	ν d	68.2	nF−nC	0.00818
	ne	1.56015	ν e	68.0	nF'−nC'	0.00824

屈 折 率 Refractive Indices

n1548	1548.1	1.54201
n1309	1308.5	1.54489
nt	1014.0	1.54859
nA'	768.2	1.55275
nr	706.5	1.55423
nC	656.3	1.55568
nC'	643.9	1.55608
nD	589.3	1.55812
nd	587.6	1.55820
ne	546.1	1.56015
nF	486.1	1.56386
nF'	480.0	1.56432
ng	435.8	1.56823
nh	404.7	1.57182
ni	365.0	1.57789

分散式の常数 Constants of Dispersion Formula

A0	2.3976032
A1	$-1.0221810 \times 10^{-2}$
A2	1.1147767×10^{-2}
A3	2.1523841×10^{-4}
A4	$-9.6159222 \times 10^{-6}$
A5	5.5668375×10^{-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
0.00709	0.00293	0.00252	0.00447
θ C,t	θ C,A'	θ d,C	θ e,C
0.867	0.358	0.308	0.546
ng−nd	ng−nF	nh−ng	ni−ng
0.01003	0.00437	0.00359	0.00966
θ g,d	θ g,F(Δ)	θ h,g	θ i,g
1.226	0.534 (0.0045)	0.439	1.181
nC'−nt	ne−nC'	nF'−ne	ni−nF'
0.00749	0.00407	0.00417	0.01357
θ 'C',t	θ 'e,C'	θ 'F',e	θ 'i,F'
0.909	0.494	0.506	1.647

機械的性質 Mechanical Properties

ヌープ硬さ Hk
Knoop Hardness 471 (5)

ビッカース硬さ Hv
Vickers Hardness 498

摩耗度 Ha
Abrasion 270

ヤング率 E ($\times 10^8$ N·m^{-2})
Young's Modulus 911

剛性率 G ($\times 10^8$ N·m^{-2})
Modulus of Rigidity 359

ポアソン比 σ
Poisson Ratio 0.268

熱的性質 Thermal Properties

転移点 Tg (℃)
Transformation Point 460

屈伏点 At (℃)
Yielding Point 492

線膨張係数 α ($\times 10^{-7}$℃$^{-1}$)
Thermal Expansion
(−30〜+70℃) 96
(+100〜+300℃) 126

熱伝導率 λ (W·m^{-1}·K^{-1})
Thermal Conductivity 0.936

比熱 Cp (J·kg^{-1}·K^{-1})
Specific Heat 825

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 5

耐久性(表面法) DW
Chemical Durability 5*

備考 Remarks
See details in appndix

その他 Other Properties

泡 B
Bubbles

着色度 C
Coloration 35/28

比重 S.g
Specific Gravity 2.74

生産頻度 PF
Production frequency

内部透過率 τ Internal Transmittance

λ(nm)	3mm	10mm
270	0.326	0.024
280	0.411	0.051
290	0.505	0.103
300	0.615	0.198
310	0.726	0.345
320	0.825	0.526
330	0.898	0.700
340	0.945	0.827
350	0.972	0.910
360	0.986	0.954
370	0.993	0.976
380	0.996	0.987
390	0.997	0.992
400	0.998	0.994
420	0.998	0.994
440	0.998	0.994
460	0.998	0.996
480	0.999	0.997
500	0.999	0.998
550	0.999	0.999
600	0.999	0.999
650	0.999	0.998
700	0.999	0.998
800	0.999	0.999
1060	0.999	0.999
1500	0.998	0.994
2000	0.988	0.962

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

D0	-4.74×10^{-6}
D1	1.09×10^{-8}
D2	-1.47×10^{-10}
E0	4.33×10^{-7}
E1	4.30×10^{-10}
λ_{TK} (μm)	0.162

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	−1.0	−0.5	0.0	−3.0	−2.6	−2.1
0/+20	−0.6	−0.1	0.5	−2.2	−1.7	−1.1
+40/+60	−0.7	−0.2	0.4	−1.9	−1.4	−0.8