

507705 K-PG325	nd	1.50670	ν_d	70.5	nF-nC	0.00719
	ne	1.50841	ν_e	70.2	nF'-nC'	0.00724

屈折率 Refractive Indices		
n1548	1548.1	1.49349
n1309	1308.5	1.49564
nt	1014.0	1.49854
nA'	768.2	1.50199
nr	706.5	1.50325
nC	656.3	1.50450
nC'	643.8	1.50485
nD	589.3	1.50663
nd	587.6	1.50670
ne	546.1	1.50841
nF	486.1	1.51169
nF'	480.0	1.51209
ng	435.8	1.51556
nh	404.7	1.51875
ni	365.0	1.52417

分散式の常数 Constants of Dispersion Formula	
A0	2.2433502
A1	$-7.0443238 \times 10^{-3}$
A2	9.5932746×10^{-3}
A3	1.9364616×10^{-4}
A4	$-9.8585539 \times 10^{-6}$
A5	6.1088785×10^{-7}

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	-1.86×10^{-5}
D1	-3.20×10^{-9}
D2	-2.53×10^{-11}
E0	4.98×10^{-7}
E1	8.02×10^{-10}
$\lambda_{TK} (\mu m)$	0.172

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
0.00596	0.00251	0.00220	0.00391
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.829	0.349	0.306	0.544
ng-nd	ng-nF	nh-ng	ni-ng
0.00886	0.00387	0.00319	0.00861
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.232	0.538 (0.0124)	0.444	1.197
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.00631	0.00356	0.00368	0.01208
$\theta'_{C',t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.872	0.492	0.508	1.669

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌープ硬さ Hk Knoop Hardness	352 (4)	転移点 Tg (°C) Transformation Point	288
ビッカース硬さ Hv Vickers Hardness	376	屈伏点 At (°C) Yielding Point	317
摩耗度 Ha Abrasion	800	線膨張係数 $\alpha (\times 10^{-7} \text{°C}^{-1})$ Thermal Expansion	
ヤング率 E ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Young's Modulus	642	(-30~+70°C) 143 (+50~+200°C) 165	
剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity	254	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity	0.748
ポアソン比 σ Poisson Ratio	0.265	比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat	817
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	B
耐酸性(粉末法) RA Acid Resistance	5	着色度 C Coloration	34/30
耐久性(表面法) DW Chemical Durability	1	比重 S.g Specific Gravity	3.00
備考 Remarks		生産頻度 PF Production frequency	C

内部透過率 τ Internal Transmittance		
$\lambda(\text{nm})$	3mm	10mm
270		
280	0.124	
290	0.255	0.011
300	0.438	0.064
310	0.638	0.225
320	0.801	0.479
330	0.904	0.716
340	0.958	0.867
350	0.981	0.938
360	0.990	0.968
370	0.994	0.981
380	0.996	0.988
390	0.997	0.990
400	0.997	0.991
420	0.997	0.991
440	0.997	0.993
460	0.998	0.995
480	0.998	0.996
500	0.999	0.998
550	0.999	0.999
600	0.999	0.998
650	0.999	0.997
700	0.999	0.998
800	0.999	0.998
1060	0.999	0.999
1500	0.999	0.999
2000	0.997	0.991

屈折率の温度係数 Temperature Coefficients of Refractive Index						
(°C)	(dn/dT)rel. ($\times 10^{-6} \text{°C}^{-1}$)			(dn/dT)abs. ($\times 10^{-6} \text{°C}^{-1}$)		
	1548.1	d	g	1548.1	d	g
-40/-20	-5.5	-5.2	-4.7	-7.5	-7.2	-6.8
0/+20	-6.1	-5.7	-5.1	-7.6	-7.2	-6.6
+40/+60	-6.5	-6.1	-5.4	-7.7	-7.2	-6.6