

595678 K-PSK400	nd	1.59500	$\nu_d$	67.8	nF-nC	0.00877
	ne	1.59709	$\nu_e$	67.5	nF'-nC'	0.00884

屈折率 Refractive Indices		
n1548	1548.1	1.57986
n1309	1308.5	1.58213
nt	1014.0	1.58530
nA'	768.2	1.58931
nr	706.5	1.59082
nC	656.3	1.59233
nC'	643.8	1.59276
nD	589.3	1.59492
nd	587.6	1.59500
ne	546.1	1.59709
nF	486.1	1.60110
nF'	480.0	1.60160
ng	435.8	1.60587
nh	404.7	1.60981
ni	365.0	1.61651

分散式の常数 Constants of Dispersion Formula	
A0	2.5082367
A1	$-7.3364341 \times 10^{-3}$
A2	$1.2625639 \times 10^{-2}$
A3	$2.2697479 \times 10^{-4}$
A4	$-8.7309089 \times 10^{-6}$
A5	$6.2693824 \times 10^{-7}$

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	$-1.29 \times 10^{-5}$
D1	$6.41 \times 10^{-9}$
D2	$-4.23 \times 10^{-11}$
E0	$4.04 \times 10^{-7}$
E1	$7.68 \times 10^{-10}$
$\lambda_{TK} (\mu m)$	0.173

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
0.00703	0.00302	0.00267	0.00476
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.802	0.344	0.304	0.543
ng-nd	ng-nF	nh-ng	ni-ng
0.01087	0.00477	0.00394	0.01064
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.239	0.544 (0.0139)	0.449	1.213
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.00746	0.00433	0.00451	0.01491
$\theta'_{C,t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.844	0.490	0.510	1.687

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌープ硬さ Hk Knoop Hardness	390 (4)	転移点 Tg (°C) Transformation Point	568
ビッカース硬さ Hv Vickers Hardness	380	屈伏点 At (°C) Yielding Point	597
摩耗度 Ha Abrasion	367	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	809	(-30~+70°C) 101 (+100~+300°C) 129	
剛性率 G ( $\times 10^8 \text{N}\cdot\text{m}^{-2}$ ) Modulus of Rigidity	312	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity	0.629
ポアソン比 $\sigma$ Poisson Ratio	0.295	比熱 Cp ( $\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$ ) Specific Heat	537
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	1	着色度 C Coloration	37/32
耐久性(表面法) DW Chemical Durability	1	比重 S.g Specific Gravity	4.05
備考 Remarks		生産頻度 PF Production frequency	

内部透過率 $\tau$ Internal Transmittance		
$\lambda$ (nm)	3mm	10mm
270		
280		
290	0.094	
300	0.173	
310	0.304	0.019
320	0.472	0.082
330	0.639	0.225
340	0.782	0.441
350	0.883	0.660
360	0.939	0.814
370	0.970	0.905
380	0.985	0.950
390	0.992	0.976
400	0.995	0.985
420	0.998	0.993
440	0.998	0.994
460	0.998	0.995
480	0.998	0.996
500	0.999	0.997
550	0.999	0.997
600	0.999	0.997
650	0.998	0.996
700	0.999	0.997
800	0.999	0.997
1060	0.999	0.998
1500	0.999	0.999
2000	0.999	0.998

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	-4.4	-4.0	-3.6	-6.5	-6.2	-5.8
0/+20	-4.5	-4.1	-3.6	-6.1	-5.7	-5.2
+40/+60	-4.7	-4.2	-3.6	-5.9	-5.4	-4.8