

552720 K-PSK500	nd	1.55215	$\nu_d$	72.0	nF-nC	0.00767
	ne	1.55398	$\nu_e$	71.7	nF'-nC'	0.00773

屈折率 Refractive Indices		
n1548	1548.1	1.53859
n1309	1308.5	1.54069
nt	1014.0	1.54358
nA'	768.2	1.54716
nr	706.5	1.54849
nC	656.3	1.54982
nC'	643.9	1.55019
nD	589.3	1.55208
nd	587.6	1.55215
ne	546.1	1.55398
nF	486.1	1.55749
nF'	480.0	1.55792
ng	435.8	1.56164
nh	404.7	1.56506
ni	365.0	1.57086

分散式の常数 Constants of Dispersion Formula	
A0	2.3790004
A1	$-6.7834145 \times 10^{-3}$
A2	$1.0749512 \times 10^{-2}$
A3	$1.7555369 \times 10^{-4}$
A4	$-4.6285653 \times 10^{-6}$
A5	$2.8065215 \times 10^{-7}$

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	$-1.34 \times 10^{-5}$
D1	$6.83 \times 10^{-9}$
D2	$1.81 \times 10^{-11}$
E0	$3.74 \times 10^{-7}$
E1	$5.55 \times 10^{-10}$
$\lambda_{TK} (\mu m)$	0.195

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
0.00624	0.00266	0.00233	0.00416
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.814	0.347	0.304	0.542
ng-nd	ng-nF	nh-ng	ni-ng
0.00949	0.00415	0.00342	0.00922
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.237	0.541 (0.0179)	0.446	1.202
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.00661	0.00379	0.00394	0.01294
$\theta'_{C',t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.855	0.490	0.510	1.674

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	495
ビッカース硬さ Hv Vickers Hardness	380	屈伏点 At (°C) Yielding Point	526
摩耗度 Ha Abrasion	433	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	782	(-30~+70°C) 108 (+100~+300°C) 129	
剛性率 G ( $\times 10^8 \text{N}\cdot\text{m}^{-2}$ ) Modulus of Rigidity	302	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity	0.714
ポアソン比 $\sigma$ Poisson Ratio	0.297	比熱 Cp ( $\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$ ) Specific Heat	607
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	2	着色度 C Coloration	34/27
耐久性(表面法) DW Chemical Durability	1	比重 S.g Specific Gravity	3.76
備考 Remarks		生産頻度 PF Production frequency	

内部透過率 $\tau$ Internal Transmittance		
$\lambda$ (nm)	3mm	10mm
270	0.414	0.053
280	0.487	0.090
290	0.585	0.168
300	0.692	0.293
310	0.796	0.467
320	0.874	0.645
330	0.929	0.785
340	0.962	0.881
350	0.982	0.939
360	0.990	0.967
370	0.994	0.979
380	0.996	0.986
390	0.997	0.991
400	0.997	0.991
420	0.997	0.990
440	0.997	0.990
460	0.997	0.991
480	0.997	0.992
500	0.998	0.993
550	0.998	0.994
600	0.997	0.993
650	0.997	0.992
700	0.997	0.992
800	0.997	0.993
1060	0.998	0.996
1500	0.999	0.997
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	-4.1	-3.8	-3.3	-6.1	-5.9	-5.5
0/+20	-4.4	-4.1	-3.6	-5.9	-5.6	-5.1
+40/+60	-4.5	-4.1	-3.5	-5.7	-5.3	-4.7