

600656 K-PSK300	nd	1.59950	$\nu_d$	65.6	nF-nC	0.00914
	ne	1.60168	$\nu_e$	65.3	nF'-nC'	0.00922

屈折率 Refractive Indices		
n1548	1548.1	1.58281
n1309	1308.5	1.58553
nt	1014.0	1.58918
nA'	768.2	1.59353
nr	706.5	1.59513
nC	656.3	1.59672
nC'	643.8	1.59716
nD	589.3	1.59942
nd	587.6	1.59950
ne	546.1	1.60168
nF	486.1	1.60586
nF'	480.0	1.60638
ng	435.8	1.61081
nh	404.7	1.61489
ni	365.0	1.62179

分散式の常数 Constants of Dispersion Formula	
A0	2.5225158
A1	$-9.4326823 \times 10^{-3}$
A2	$1.2761452 \times 10^{-2}$
A3	$2.8145417 \times 10^{-4}$
A4	$-8.1267471 \times 10^{-6}$
A5	$2.3400154 \times 10^{-7}$

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	$-1.33 \times 10^{-5}$
D1	$1.14 \times 10^{-8}$
D2	$-3.00 \times 10^{-11}$
E0	$4.03 \times 10^{-7}$
E1	$3.80 \times 10^{-10}$
$\lambda_{TK} (\mu m)$	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
0.00754	0.00319	0.00278	0.00496
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.825	0.349	0.304	0.543
ng-nd	ng-nF	nh-ng	ni-ng
0.01131	0.00495	0.00408	0.01098
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.237	0.542 (0.0077)	0.446	1.201
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.00798	0.00452	0.00470	0.01541
$\theta'_{C,t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.866	0.490	0.510	1.671

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌープ硬さ Hk Knoop Hardness	415 (4)	転移点 Tg (°C) Transformation Point	463
ビッカース硬さ Hv Vickers Hardness	418	屈伏点 At (°C) Yielding Point	498
摩耗度 Ha Abrasion	504	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	715	(-30~+70°C) 105 (+100~+300°C) 128	
剛性率 G ( $\times 10^8 \text{N}\cdot\text{m}^{-2}$ ) Modulus of Rigidity	282	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity	0.601
ポアソン比 $\sigma$ Poisson Ratio	0.267	比熱 Cp ( $\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$ ) Specific Heat	608
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	36/30
耐久性(表面法) DW Chemical Durability	2	比重 S.g Specific Gravity	3.49
備考 Remarks		生産頻度 PF Production frequency	B

内部透過率 $\tau$ Internal Transmittance		
$\lambda$ (nm)	3mm	10mm
270	0.130	
280	0.240	
290	0.344	0.029
300	0.465	0.078
310	0.599	0.182
320	0.743	0.373
330	0.846	0.574
340	0.914	0.742
350	0.953	0.852
360	0.973	0.913
370	0.984	0.951
380	0.990	0.967
390	0.992	0.976
400	0.993	0.978
420	0.992	0.974
440	0.992	0.977
460	0.994	0.982
480	0.996	0.987
500	0.997	0.990
550	0.998	0.996
600	0.998	0.994
650	0.997	0.993
700	0.997	0.993
800	0.997	0.993
1060	0.999	0.997
1500	0.997	0.991
2000	0.977	0.926

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	-4.8	-4.4	-3.9	-6.9	-6.6	-6.1
0/+20	-4.8	-4.4	-3.8	-6.4	-6.0	-5.5
+40/+60	-4.8	-4.3	-3.7	-6.0	-5.5	-5.0