

851269 K-PSFn185	nd	1.85070	ν d	26.9	nF-nC	0.03161
	ne	1.85815	ν e	26.7	nF'-nC'	0.03215

屈折率 Refractive Indices		
n1548	1548.1	1.80782
n1309	1308.5	1.81258
nt	1014.0	1.82031
nA'	768.2	1.83191
nr	706.5	1.83668
nC	656.3	1.84162
nC'	643.9	1.84303
nD	589.3	1.85043
nd	587.6	1.85070
ne	546.1	1.85815
nF	486.1	1.87323
nF'	480.0	1.87518
ng	435.8	1.89261
nh	404.7	1.91005
ni	365.0	

分散式の常数 Constants of Dispersion Formula	
A0	3.2821266
A1	$-1.3764195 \times 10^{-2}$
A2	4.4857954×10^{-2}
A3	2.0290189×10^{-3}
A4	$-1.5619433 \times 10^{-5}$
A5	1.6072643×10^{-5}

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	-7.95×10^{-6}
D1	1.17×10^{-8}
D2	-2.57×10^{-10}
E0	8.33×10^{-7}
E1	1.16×10^{-9}
$\lambda_{TK} (\mu m)$	0.300

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
0.02131	0.00971	0.00908	0.01653
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.674	0.307	0.287	0.523
ng-nd	ng-nF	nh-ng	ni-ng
0.04191	0.01938	0.01744	
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.326	0.613 (0.0141)	0.552	
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.02272	0.01512	0.01703	
$\theta'_{C,t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.707	0.470	0.530	

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌープ硬さ Hk Knoop Hardness	423 (4)	転移点 Tg (°C) Transformation Point	537
ビッカース硬さ Hv Vickers Hardness	427	屈伏点 At (°C) Yielding Point	585
摩耗度 Ha Abrasion	280	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	910	(-30~+70°C) 85 (+100~+300°C) 101	
剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity	356	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity	0.743
ポアソン比 σ Poisson Ratio	0.278	比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat	529
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	(40)/36
耐久性(表面法) DW Chemical Durability	1	比重 S.g Specific Gravity	4.17
備考 Remarks Solarization		生産頻度 PF Production frequency	

内部透過率 τ Internal Transmittance		
λ (nm)	3mm	10mm
270		
280		
290		
300		
310		
320		
330		
340		
350		
360	0.11 ₀	
370	0.52 ₂	0.11 ₅
380	0.80 ₃	0.48 ₂
390	0.90 ₆	0.72 ₀
400	0.94 ₆	0.83 ₂
420	0.97 ₆	0.92 ₄
440	0.98 ₇	0.95 ₇
460	0.99 ₂	0.97 ₂
480	0.99 ₄	0.98 ₁
500	0.99 ₆	0.98 ₆
550	0.99 ₈	0.99 ₅
600	0.99 ₈	0.99 ₅
650	0.99 ₈	0.99 ₆
700	0.99 ₈	0.99 ₇
800	0.99 ₈	0.99 ₈
1060	0.99 ₈	0.99 ₈
1500	0.99 ₈	0.99 ₈
2000	0.99 ₄	0.97 ₉

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	-4.3	-2.9	0.0	-6.7	-5.4	-2.6
0/+20	-3.2	-1.5	1.8	-5.0	-3.3	-0.1
+40/+60	-3.4	-1.5	2.2	-4.7	-2.9	0.7