

007262 K-BOC30	nd	2.00680	ν d	26.2	nF-nC	0.03845
	ne	2.01587	ν e	26.0	nF'-nC'	0.03910

屈折率 Refractive Indices		
n1548	1548.1	1.95576
n1309	1308.5	1.96107
nt	1014.0	1.97003
nA'	768.2	1.98396
nr	706.5	1.98975
nC	656.3	1.99575
nC'	643.9	1.99747
nD	589.3	2.00647
nd	587.6	2.00680
ne	546.1	2.01587
nF	486.1	2.03420
nF'	480.0	2.03657
ng	435.8	2.05766
nh	404.7	2.07869
ni	365.0	

分散式の常数 Constants of Dispersion Formula	
A0	3.8356956
A1	$-1.5106203 \times 10^{-2}$
A2	6.0037570×10^{-2}
A3	2.6135256×10^{-3}
A4	$-1.9280273 \times 10^{-5}$
A5	2.0127922×10^{-5}

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	-1.71×10^{-6}
D1	1.58×10^{-8}
D2	-2.57×10^{-10}
E0	1.04×10^{-6}
E1	1.10×10^{-9}
$\lambda_{TK} (\mu m)$	0.282

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
0.02572	0.01179	0.01105	0.02012
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.669	0.307	0.287	0.523
ng-nd	ng-nF	nh-ng	ni-ng
0.05086	0.02346		
$\theta_{g,d}$	$\theta_{g,F(\Delta)}$	$\theta_{h,g}$	$\theta_{i,g}$
1.323	0.610 (0.0099)		
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.02744	0.01840	0.02070	
$\theta'_{C,t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.702	0.471	0.529	

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌープ硬さ Hk Knoop Hardness	566 (6)	転移点 Tg (°C) Transformation Point	733
ビッカース硬さ Hv Vickers Hardness	558	屈伏点 At (°C) Yielding Point	776
摩耗度 Ha Abrasion	84	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	1246	(-30~+70°C) 70 (+100~+300°C) 85	
剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity	478	熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity	0.892
ポアソン比 σ Poisson Ratio	0.303	比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat	481
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	(48)/38
耐久性(表面法) DW Chemical Durability	1	比重 S.g Specific Gravity	4.80
備考 Remarks		生産頻度 PF Production frequency	C

内部透過率 τ Internal Transmittance		
λ (nm)	3mm	10mm
270		
280		
290		
300		
310		
320		
330		
340		
350		
360	0.068	
370	0.242	
380	0.452	0.071
390	0.617	0.200
400	0.730	0.351
420	0.859	0.603
440	0.919	0.757
460	0.948	0.839
480	0.965	0.887
500	0.976	0.922
550	0.991	0.970
600	0.994	0.982
650	0.995	0.985
700	0.996	0.989
800	0.998	0.995
1060	0.999	0.998
1500	0.999	0.998
2000	0.996	0.987

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	-0.9	1.4	5.4	-3.5	-1.3	2.5
0/+20	0.7	3.3	7.7	-1.2	1.3	5.6
+40/+60	0.8	3.6	8.3	-0.7	2.0	6.7