

005277 K-BOC20	nd	2.00540	d	27.7	nF-nC	0.03632
	ne	2.01397	e	27.5	nF'-nC'	0.03691

屈折率 Refractive Indices		
n1548	1548.1	1.95630
n1309	1308.5	1.96157
nt	1014.0	1.97030
nA'	768.2	1.98366
nr	706.5	1.98919
nC	656.3	1.99491
nC'	643.9	1.99654
nD	589.3	2.00509
nd	587.6	2.00540
ne	546.1	2.01397
nF	486.1	2.03123
nF'	480.0	2.03345
ng	435.8	2.05317
nh	404.7	2.07277
ni	365.0	2.10975

分散式の常数 Constants of Dispersion Formula	
A0	3.8410887
A1	$-1.5801048 \times 10^{-2}$
A2	5.5983447×10^{-2}
A3	3.0905124×10^{-3}
A4	$-1.6655999 \times 10^{-4}$
A5	2.7794823×10^{-5}

dn/dTの分散常数 Constants of Dispersion dn/dT abs.	
D0	-3.96×10^{-7}
D1	1.14×10^{-8}
D2	-3.48×10^{-10}
E0	1.00×10^{-6}
E1	9.73×10^{-10}
TK (μm)	0.275

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
0.02461	0.01125	0.01049	0.01906
C,t	C,A'	d,C	e,C
0.678	0.310	0.289	0.525
ng-nd	ng-nF	nh-ng	ni-ng
0.04777	0.02194	0.01960	0.05658
g,d	g,F()	h,g	i,g
1.315	0.604 (0.0064)	0.540	1.558
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.02624	0.01743	0.01948	0.07630
'C',t	'e,C'	'F',e	'i,F'
0.711	0.472	0.528	2.067

機械的性質 Mechanical Properties		熱的性質 Thermal Properties	
ヌーブ硬さ Hk Knoop Hardness	709 (7)	転移点 Tg () Transformation Point	720
ピッカース硬さ Hv Vickers Hardness	729	屈伏点 At () Yielding Point	760
磨耗度 Ha Abrasion	80	線膨張係数 ($\times 10^{-7} \text{ }^{-1}$) Thermal Expansion	
ヤング率 E ($\times 10^8 \text{ N}\cdot\text{m}^{-2}$) Young's Modulus	1298	(-30 ~ +70)	76
		(+100 ~ +300)	85
剛性率 G ($\times 10^8 \text{ N}\cdot\text{m}^{-2}$) Modulus of Rigidity	501	熱伝導率 ($\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$) Thermal Conductivity	
ポアソン比 Poisson Ratio	0.295	比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat	
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	4.95
備考 Remarks		生産頻度 PF Production frequency	

内部透過率 Internal Transmittance		
(nm)	3mm	10mm
270		
280		
290		
300		
310		
320		
330		
340		
350		
360		
370	0.32 ₂	0.02 ₂
380	0.53 ₃	0.12 ₂
390	0.68 ₀	0.27 ₇
400	0.77 ₆	0.43 ₀
420	0.88 ₃	0.66 ₂
440	0.93 ₁	0.78 ₉
460	0.95 ₅	0.85 ₉
480	0.96 ₉	0.90 ₁
500	0.97 ₉	0.93 ₂
550	0.99 ₂	0.97 ₃
600	0.99 ₅	0.98 ₆
650	0.99 ₇	0.99 ₀
700	0.99 ₈	0.99 ₄
800	0.99 ₈	0.99 ₈
1060	0.99 ₈	0.99 ₈
1500	0.99 ₈	0.99 ₈
2000	0.99 ₈	0.99 ₃

屈折率の温度係数 Temperature Coefficients of Refractive Index						
	(dn/dT)rel. ($\times 10^{-6} \text{ }^{-1}$)			(dn/dT)abs. ($\times 10^{-6} \text{ }^{-1}$)		
()	1548.1	d	g	1548.1	d	g
-40/-20	-0.1	2.1	5.8	-2.7	-0.6	2.9
0/+20	1.7	4.2	8.2	-0.2	2.2	6.1
+40/+60	1.3	4.0	8.3	-0.1	2.5	6.7