

| | | | | | | |
|-------------------|----|---------|---------|------|---------|---------|
| 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^{-29} |
| $\lambda_{TK} (\mu m)$ | 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 | |

| 内部透過率 τ Internal Transmittance | | |
|----------------------------------------|-------------------|-------------------|
| λ (nm) | 3mm | 10mm |
| 270 | | |
| 280 | | |
| 290 | | |
| 300 | | |
| 310 | | |
| 320 | | |
| 330 | | |
| 340 | | |
| 350 | | |
| 360 | 0.06 ₉ | |
| 370 | 0.23 ₅ | |
| 380 | 0.45 ₀ | 0.06 ₉ |
| 390 | 0.61 ₇ | 0.20 ₁ |
| 400 | 0.73 ₁ | 0.35 ₂ |
| 420 | 0.85 ₉ | 0.60 ₂ |
| 440 | 0.92 ₀ | 0.75 ₇ |
| 460 | 0.94 ₈ | 0.83 ₈ |
| 480 | 0.96 ₅ | 0.88 ₈ |
| 500 | 0.97 ₆ | 0.92 ₂ |
| 550 | 0.99 ₁ | 0.97 ₂ |
| 600 | 0.99 ₄ | 0.98 ₂ |
| 650 | 0.99 ₅ | 0.98 ₄ |
| 700 | 0.99 ₆ | 0.98 ₈ |
| 800 | 0.99 ₈ | 0.99 ₄ |
| 1060 | 0.99 ₈ | 0.99 ₈ |
| 1500 | 0.99 ₈ | 0.99 ₈ |
| 2000 | 0.99 ₆ | 0.98 ₇ |

| 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 |