

S-BAL41

Code(d) **564607**

Code(e) **566604**

| | | | | | | | | |
|-----|-------|----------------------------|-----|---------|--------------|----|-----------|-----------------|
| 折射率 | n_d | 1.56384 1.563839 | 阿贝数 | ν_d | 60.67 | 色散 | n_F-n_C | 0.009294 |
| 折射率 | n_e | 1.566056 | 阿贝数 | ν_e | 60.42 | 色散 | n_F-n_C | 0.009369 |

| 折射率 | | |
|------------------|----------|---------|
| $\lambda(\mu m)$ | | |
| n_{2325} | 2.32542 | 1.53530 |
| n_{1970} | 1.97009 | 1.54083 |
| n_{1530} | 1.52958 | 1.54667 |
| n_{1129} | 1.12864 | 1.55164 |
| n_t | 1.01398 | 1.55322 |
| n_s | 0.85211 | 1.55593 |
| $n_{A'}$ | 0.76819 | 1.55774 |
| n_r | 0.70652 | 1.55938 |
| n_C | 0.65627 | 1.56100 |
| $n_{C'}$ | 0.64385 | 1.56145 |
| n_{He-Ne} | 0.6328 | 1.56188 |
| n_D | 0.58929 | 1.56376 |
| n_d | 0.58756 | 1.56384 |
| n_e | 0.54607 | 1.56606 |
| n_F | 0.48613 | 1.57029 |
| $n_{F'}$ | 0.47999 | 1.57082 |
| n_{He-Cd} | 0.44157 | 1.57465 |
| n_g | 0.435835 | 1.57532 |
| n_h | 0.404656 | 1.57947 |
| n_i | 0.365015 | 1.58652 |

| 色散公式的参数 | |
|---------|-----------------|
| A_1 | 1.24344200E+00 |
| A_2 | 1.66301104E-01 |
| A_3 | 1.10586114E+00 |
| B_1 | 1.16396708E-02 |
| B_2 | -8.90464938E-03 |
| B_3 | 1.14111220E+02 |

| 化学特性 | |
|--|------|
| 耐水作用稳定性(粉末法) RW(P) | 2 |
| 耐酸作用稳定性(粉末法) RA(P) | 3 |
| 抗潮湿大气作用稳定性 (Weathering Resistance)(表面法) W(S) | 2~3 |
| 耐酸作用稳定性 SR | 51.2 |
| 耐洗剂性(Phosphate Resistance) PR | 3.0 |

| 机械特性 | |
|--|---------|
| 杨氏模量(Young's Modulus) E ($10^9 N/m^2$) | 890 |
| 刚性率 G ($10^8 N/m^2$) | 358 |
| 泊松比(Poisson's Ratio) σ | 0.242 |
| 努普硬度(Knoop Hardness) Hk [Class] | 600 6 |
| 摩擦度 Aa | 122 |
| 光弹性常数 β (nm/cm/ $10^5 Pa$) | 2.32 |

| 折射率的温度系数 | | | | | | | |
|-------------------------|--|-----|-------|-----|-----|-----|-----|
| 温度范围 ($^{\circ}C$) | dn/dT relative ($10^{-6}/^{\circ}C$) | | | | | | |
| | t | C' | He-Ne | D | e | F' | g |
| -40~-20 | 2.1 | 2.3 | 2.3 | 2.4 | 2.5 | 2.8 | 3.0 |
| -20~ 0 | 2.1 | 2.3 | 2.3 | 2.4 | 2.6 | 2.9 | 3.2 |
| 0~20 | 2.1 | 2.4 | 2.4 | 2.5 | 2.7 | 3.0 | 3.3 |
| 20~40 | 2.1 | 2.5 | 2.5 | 2.6 | 2.7 | 3.1 | 3.4 |
| 40~60 | 2.2 | 2.5 | 2.5 | 2.7 | 2.8 | 3.2 | 3.5 |
| 60~80 | 2.2 | 2.6 | 2.6 | 2.7 | 2.9 | 3.2 | 3.6 |

| 部分色散 | |
|--------------|----------|
| n_C-n_t | 0.007779 |
| $n_C-n_{A'}$ | 0.003265 |
| n_d-n_C | 0.002838 |
| n_e-n_C | 0.005055 |
| n_g-n_d | 0.011477 |
| n_g-n_F | 0.005021 |
| n_h-n_g | 0.004155 |
| n_i-n_g | 0.011208 |
| n_C-n_t | 0.008231 |
| $n_e-n_{C'}$ | 0.004603 |
| n_F-n_e | 0.004766 |
| $n_i-n_{F'}$ | 0.015702 |

| 部分色散率 | |
|------------------|--------|
| $\theta_{C,t}$ | 0.8370 |
| $\theta_{C,A'}$ | 0.3513 |
| $\theta_{d,C}$ | 0.3054 |
| $\theta_{e,C}$ | 0.5439 |
| $\theta_{g,d}$ | 1.2349 |
| $\theta_{g,F}$ | 0.5402 |
| $\theta_{h,g}$ | 0.4471 |
| $\theta_{i,g}$ | 1.2059 |
| $\theta'_{C,t}$ | 0.8785 |
| $\theta'_{e,C'}$ | 0.4913 |
| $\theta'_{F,e}$ | 0.5087 |
| $\theta'_{i,F'}$ | 1.6760 |

| 异常色散性 | |
|------------------------|---------|
| $\Delta \theta_{C,t}$ | 0.0057 |
| $\Delta \theta_{C,A'}$ | 0.0019 |
| $\Delta \theta_{g,d}$ | -0.0038 |
| $\Delta \theta_{g,F}$ | -0.0031 |
| $\Delta \theta_{i,g}$ | -0.0111 |

| 热学特性 | |
|---|------|
| 应变点 StP ($^{\circ}C$) | 486 |
| 退火点 AP ($^{\circ}C$) | 521 |
| 转变点 Tg ($^{\circ}C$) | 541 |
| 弛垂温度 At ($^{\circ}C$) | 577 |
| 软化点 SP ($^{\circ}C$) | 644 |
| 线膨胀系数 (-30~+70 $^{\circ}C$) | 75 |
| α ($10^{-7}/^{\circ}C$) (+100~+300 $^{\circ}C$) | 91 |
| 热传导率 k (W/m-K) | 1.04 |

| 着色度 | | | |
|----------------|-----|-------------|-----|
| λ_{80} | 340 | λ_5 | 295 |
| λ_{70} | | | |

| 内透射 | | | |
|------------------|-----|------------------|-----|
| $\lambda_{0.80}$ | 336 | $\lambda_{0.05}$ | 300 |

| CCI | | |
|------|------|------|
| B | G | R |
| 0.00 | 0.20 | 0.14 |

| 内透射率 | |
|---------------|-------------|
| $\lambda(nm)$ | τ 10mm |
| 280 | |
| 290 | |
| 300 | 0.05 |
| 310 | 0.25 |
| 320 | 0.51 |
| 330 | 0.72 |
| 340 | 0.85 |
| 350 | 0.925 |
| 360 | 0.960 |
| 370 | 0.978 |
| 380 | 0.985 |
| 390 | 0.990 |
| 400 | 0.993 |
| 420 | 0.994 |
| 440 | 0.994 |
| 460 | 0.995 |
| 480 | 0.997 |
| 500 | 0.998 |
| 550 | 0.999 |
| 600 | 0.998 |
| 650 | 0.997 |
| 700 | 0.998 |
| 800 | 0.998 |
| 900 | 0.998 |
| 1000 | 0.997 |
| 1200 | 0.997 |
| 1400 | 0.987 |
| 1600 | 0.993 |
| 1800 | 0.984 |
| 2000 | 0.971 |
| 2200 | 0.91 |
| 2400 | 0.83 |

| 其他 | |
|------|------|
| 气泡 B | |
| 比重 d | 2.78 |
| 备考 | |

OHARA 17-04