

S-LAH63Q

Code(d) **804396**

Code(e) **809393**

| | | | | | | | | |
|-----|-------|----------------------------|-----|---------|--------------|----|--------------|-----------------|
| 折射率 | n_d | 1.80440 1.804400 | 阿贝数 | ν_d | 39.58 | 色散 | n_F-n_C | 0.020323 |
| 折射率 | n_e | 1.809222 | 阿贝数 | ν_e | 39.31 | 色散 | $n_F-n_{C'}$ | 0.020586 |

| 折射率 | | |
|------------------|----------|---------|
| $\lambda(\mu m)$ | | |
| n_{2325} | 2.32542 | 1.76063 |
| n_{1970} | 1.97009 | 1.76695 |
| n_{1530} | 1.52958 | 1.77401 |
| n_{1129} | 1.12864 | 1.78098 |
| n_t | 1.01398 | 1.78355 |
| n_s | 0.85211 | 1.78834 |
| $n_{A'}$ | 0.76819 | 1.79180 |
| n_r | 0.70652 | 1.79507 |
| n_C | 0.65627 | 1.79840 |
| $n_{C'}$ | 0.64385 | 1.79934 |
| n_{He-Ne} | 0.6328 | 1.80023 |
| n_D | 0.58929 | 1.80422 |
| n_d | 0.58756 | 1.80440 |
| n_e | 0.54607 | 1.80922 |
| n_F | 0.48613 | 1.81872 |
| $n_{F'}$ | 0.47999 | 1.81993 |
| n_{He-Cd} | 0.44157 | 1.82885 |
| n_g | 0.435835 | 1.83043 |
| n_h | 0.404656 | 1.84052 |
| n_i | 0.365015 | 1.85862 |

| 色散公式的参数 | |
|---------|----------------|
| A_1 | 1.96723017E+00 |
| A_2 | 1.94953915E-01 |
| A_3 | 1.25386282E+00 |
| B_1 | 1.10456086E-02 |
| B_2 | 4.97137061E-02 |
| B_3 | 1.04843520E+02 |

| 化学特性 | |
|---|------|
| 耐水作用稳定性(粉末法) RW(P) | 1 |
| 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) | 3 |
| 耐酸作用稳定性 SR | 51.2 |
| 耐洗剂性(Phosphate Resistance) PR | 1.0 |

| 机械特性 | |
|---|---------|
| 杨氏模量(Young's Modulus) E (10 ⁹ N/m ²) | 1026 |
| 刚性率 G (10 ⁸ N/m ²) | 395 |
| 泊松比(Poisson's Ratio) σ | 0.300 |
| 努普硬度(Knoop Hardness) Hk [Class] | 580 6 |
| 摩擦度 Aa | 121 * |
| 光弹性常数 β (nm/cm/10 ⁵ Pa) | 1.39 |

| 折射率的温度系数 | | | | | | | |
|-----------|---------------------------------------|-----|-------|-----|-----|-----|-----|
| 温度范围 (°C) | dn/dT relative (10 ⁻⁶ /°C) | | | | | | |
| | t | C' | He-Ne | D | e | F' | g |
| -40~-20 | 0.4 | 1.2 | 1.2 | 1.5 | 1.8 | 2.5 | 3.3 |
| -20~ 0 | 0.4 | 1.1 | 1.2 | 1.4 | 1.7 | 2.5 | 3.3 |
| 0~20 | 0.4 | 1.2 | 1.2 | 1.5 | 1.8 | 2.6 | 3.5 |
| 20~40 | 0.4 | 1.2 | 1.3 | 1.5 | 1.9 | 2.7 | 3.6 |
| 40~60 | 0.4 | 1.3 | 1.3 | 1.6 | 2.0 | 2.8 | 3.8 |
| 60~80 | 0.5 | 1.4 | 1.5 | 1.7 | 2.1 | 3.0 | 4.0 |

| 部分色散 | |
|--------------|----------|
| n_C-n_t | 0.014851 |
| $n_C-n_{A'}$ | 0.006597 |
| n_d-n_C | 0.006003 |
| n_e-n_C | 0.010825 |
| n_g-n_d | 0.026030 |
| n_g-n_F | 0.011710 |
| n_h-n_g | 0.010090 |
| n_i-n_g | 0.028188 |
| n_C-n_t | 0.015794 |
| $n_e-n_{C'}$ | 0.009882 |
| n_F-n_e | 0.010704 |
| $n_i-n_{F'}$ | 0.038692 |

| 部分色散率 | |
|------------------|--------|
| $\theta_{C,t}$ | 0.7307 |
| $\theta_{C,A'}$ | 0.3246 |
| $\theta_{d,C}$ | 0.2954 |
| $\theta_{e,C}$ | 0.5326 |
| $\theta_{g,d}$ | 1.2808 |
| $\theta_{g,F}$ | 0.5762 |
| $\theta_{h,g}$ | 0.4965 |
| $\theta_{i,g}$ | 1.3870 |
| $\theta'_{C,t}$ | 0.7672 |
| $\theta'_{e,C'}$ | 0.4800 |
| $\theta'_{F',e}$ | 0.5200 |
| $\theta'_{i,F'}$ | 1.8795 |

| 异常色散性 | |
|------------------------|---------|
| $\Delta \theta_{C,t}$ | -0.0017 |
| $\Delta \theta_{C,A'}$ | 0.0008 |
| $\Delta \theta_{g,d}$ | -0.0017 |
| $\Delta \theta_{g,F}$ | -0.0012 |
| $\Delta \theta_{i,g}$ | -0.0066 |

| 热学特性 | |
|---|-------|
| 应变点 StP (°C) | 626 |
| 退火点 AP (°C) | 654 |
| 转变点 Tg (°C) | 669 |
| 弛垂温度 At (°C) | 701 |
| 软化点 SP (°C) | 732 |
| 线膨胀系数 (-30~+70°C) | 79 |
| α (10 ⁻⁷ /°C) (+100~+300°C) | 93 |
| 热传导率 k (W/m-K) | 0.738 |

| 着色度 | | | |
|----------------|-----|-------------|-----|
| λ_{80} | 415 | λ_5 | 345 |
| λ_{70} | | | |

| 内透射 | | | |
|------------------|-----|------------------|-----|
| $\lambda_{0.80}$ | 378 | $\lambda_{0.05}$ | 343 |

| CCI | | |
|------|------|------|
| B | G | R |
| 0.00 | 1.51 | 1.56 |

| 内透射率 | |
|---------------|-------------|
| $\lambda(nm)$ | τ 10mm |
| 280 | |
| 290 | |
| 300 | |
| 310 | |
| 320 | |
| 330 | |
| 340 | 0.01 |
| 350 | 0.14 |
| 360 | 0.44 |
| 370 | 0.69 |
| 380 | 0.82 |
| 390 | 0.89 |
| 400 | 0.927 |
| 420 | 0.959 |
| 440 | 0.973 |
| 460 | 0.981 |
| 480 | 0.987 |
| 500 | 0.991 |
| 550 | 0.996 |
| 600 | 0.996 |
| 650 | 0.996 |
| 700 | 0.997 |
| 800 | 0.998 |
| 900 | 0.998 |
| 1000 | 0.999 |
| 1200 | 0.999 |
| 1400 | 0.998 |
| 1600 | 0.995 |
| 1800 | 0.987 |
| 2000 | 0.968 |
| 2200 | 0.923 |
| 2400 | 0.77 |

| 其他 | |
|------|------|
| 气泡 B | |
| 比重 d | 4.45 |
| 备考 | |

OHARA 17-11