

S-NPH 3

Code(d) **959175**

Code(e) **972173**

| | | | | | | | | |
|-----|-------|----------------------------|------|---------|--------------|----|-----------|-----------------|
| 屈折率 | n_d | 1.95906 1.959060 | アツベ数 | ν_d | 17.47 | 分散 | n_F-n_C | 0.054895 |
| 屈折率 | n_e | 1.971885 | アツベ数 | ν_e | 17.33 | 分散 | n_F-n_C | 0.056091 |

| 屈折率 | | |
|------------------------|----------|---------|
| $\lambda(\mu\text{m})$ | | |
| n_{2325} | 2.32542 | 1.87064 |
| n_{1970} | 1.97009 | 1.88002 |
| n_{1530} | 1.52958 | 1.89131 |
| n_{1129} | 1.12864 | 1.90412 |
| n_t | 1.01398 | 1.90937 |
| n_s | 0.85211 | 1.91984 |
| $n_{A'}$ | 0.76819 | 1.92780 |
| n_r | 0.70652 | 1.93559 |
| n_C | 0.65627 | 1.94376 |
| $n_{C'}$ | 0.64385 | 1.94612 |
| $n_{\text{He-Ne}}$ | 0.6328 | 1.94834 |
| n_D | 0.58929 | 1.95860 |
| n_d | 0.58756 | 1.95906 |
| n_e | 0.54607 | 1.97188 |
| n_F | 0.48613 | 1.99866 |
| $n_{F'}$ | 0.47999 | 2.00221 |
| $n_{\text{He-Cd}}$ | 0.44157 | 2.02976 |
| n_g | 0.435835 | 2.03488 |
| n_h | 0.404656 | 2.06965 |
| n_i | 0.365015 | |

| 分散式の定数 | |
|--------|----------------|
| A_1 | 2.09834903E+00 |
| A_2 | 4.89088388E-01 |
| A_3 | 2.94009268E+00 |
| B_1 | 1.79123869E-02 |
| B_2 | 7.76653353E-02 |
| B_3 | 1.60930428E+02 |

| 化学的性質 | |
|-----------------|-----|
| 耐水性 (粉末法) RW(P) | 1 |
| 耐酸性 (粉末法) RA(P) | 1 |
| 耐候性 (表面法) W(S) | 1 |
| 耐酸性 SR | 1.0 |
| 耐洗剤性 PR | 1.0 |

| 機械的性質 | |
|--|---------|
| ヤング率 E (10^8N/m^2) | 1022 |
| 剛性率 G (10^8N/m^2) | 411 |
| ポアソン比 σ | 0.243 |
| ヌーブ硬さ Hk [Class] | 450 5 |
| 摩耗度 Aa | 215 |
| 光弾性定数 β nm/(cm \cdot 10 5 Pa) | 3.35 |

| 屈折率の温度係数 | | | | | | | |
|--------------------------------|---|-----|-------|-----|-----|-----|------|
| 温度範囲 ($^{\circ}\text{C}$) | $\Delta n/\Delta T$ relative ($10^{-6}/^{\circ}\text{C}$) | | | | | | |
| | t | C' | He-Ne | D | e | F' | g |
| -40~-20 | 0.6 | 2.1 | 2.2 | 2.8 | 3.7 | 6.2 | 9.6 |
| -20~0 | 0.8 | 2.4 | 2.6 | 3.2 | 4.2 | 6.9 | 10.6 |
| 0~20 | 1.1 | 2.8 | 2.9 | 3.6 | 4.6 | 7.6 | 11.6 |
| 20~40 | 1.2 | 3.1 | 3.2 | 3.9 | 5.0 | 8.2 | 12.4 |
| 40~60 | 1.4 | 3.4 | 3.5 | 4.3 | 5.5 | 8.8 | 13.3 |
| 60~80 | 1.7 | 3.8 | 3.9 | 4.8 | 6.0 | 9.5 | 14.3 |

| 部分分散 | |
|--------------|----------|
| n_C-n_t | 0.034388 |
| $n_C-n_{A'}$ | 0.015956 |
| n_d-n_C | 0.015300 |
| n_e-n_C | 0.028125 |
| n_g-n_d | 0.075817 |
| n_g-n_F | 0.036222 |
| n_h-n_g | 0.034773 |
| n_i-n_g | |
| n_C-n_t | 0.036744 |
| $n_e-n_{C'}$ | 0.025769 |
| n_F-n_e | 0.030322 |
| n_i-n_F | |

| 部分分散比 | |
|------------------|--------|
| $\theta_{C,t}$ | 0.6264 |
| $\theta_{C,A'}$ | 0.2907 |
| $\theta_{d,C}$ | 0.2787 |
| $\theta_{e,C}$ | 0.5123 |
| $\theta_{g,d}$ | 1.3811 |
| $\theta_{g,F}$ | 0.6598 |
| $\theta_{h,g}$ | 0.6334 |
| $\theta_{i,g}$ | |
| $\theta'_{C,t}$ | 0.6551 |
| $\theta'_{e,C'}$ | 0.4594 |
| $\theta'_{F,e}$ | 0.5406 |
| $\theta'_{i,F'}$ | |

| 異常分散性 | |
|------------------------|---------|
| $\Delta \theta_{C,t}$ | -0.0022 |
| $\Delta \theta_{C,A'}$ | -0.0063 |
| $\Delta \theta_{g,d}$ | 0.0527 |
| $\Delta \theta_{g,F}$ | 0.0466 |
| $\Delta \theta_{i,g}$ | |

| 熱的性質 | |
|---|------|
| 歪点 StP ($^{\circ}\text{C}$) | |
| 徐冷点 AP ($^{\circ}\text{C}$) | |
| 転移点 Tg ($^{\circ}\text{C}$) | 671 |
| 屈伏点 At ($^{\circ}\text{C}$) | 704 |
| 軟化点 SP ($^{\circ}\text{C}$) | |
| 線膨張係数 (-30~+70 $^{\circ}\text{C}$) | 59 |
| α ($10^{-7}/^{\circ}\text{C}$) (+100~+300 $^{\circ}\text{C}$) | 65 |
| 熱伝導率 λ W/(m \cdot K) | 1.01 |

| 着色度 | | | |
|----------------|-----|-------------|-----|
| λ_{80} | | λ_5 | 395 |
| λ_{70} | 440 | | |

| 内部透過 | | | |
|------------------|-----|------------------|-----|
| $\lambda_{0.80}$ | 430 | $\lambda_{0.05}$ | 398 |

| CCI | | |
|------|-------|-------|
| B | G | R |
| 0.00 | 13.14 | 13.56 |

| 内部透過率 | |
|----------------------|-------------|
| $\lambda(\text{nm})$ | τ 10mm |
| 280 | |
| 290 | |
| 300 | |
| 310 | |
| 320 | |
| 330 | |
| 340 | |
| 350 | |
| 360 | |
| 370 | |
| 380 | |
| 390 | |
| 400 | 0.12 |
| 420 | 0.72 |
| 440 | 0.88 |
| 460 | 0.932 |
| 480 | 0.956 |
| 500 | 0.970 |
| 550 | 0.990 |
| 600 | 0.996 |
| 650 | 0.997 |
| 700 | 0.999 |
| 800 | 0.999 |
| 900 | 0.998 |
| 1000 | 0.998 |
| 1200 | 0.999 |
| 1400 | 0.998 |
| 1600 | 0.995 |
| 1800 | 0.989 |
| 2000 | 0.983 |
| 2200 | 0.968 |
| 2400 | 0.949 |

| その他 | |
|------|------|
| 泡 B | |
| 比重 d | 3.59 |
| 備考 | |

OHARA 17-04