

| | | | | | | |
|--------------------|----|---------|---------|------|---------|---------|
| 595678 K-PSK400 | nd | 1.59500 | ν_d | 67.8 | nF-nC | 0.00877 |
| | ne | 1.59709 | ν_e | 67.5 | nF'-nC' | 0.00884 |

| 屈折率 Refractive Indices | | |
|---------------------------|--------|---------|
| n1548 | 1548.1 | 1.57986 |
| n1309 | 1308.5 | 1.58213 |
| nt | 1014.0 | 1.58530 |
| nA' | 768.2 | 1.58931 |
| nr | 706.5 | 1.59082 |
| nC | 656.3 | 1.59233 |
| nC' | 643.9 | 1.59276 |
| nD | 589.3 | 1.59492 |
| nd | 587.6 | 1.59500 |
| ne | 546.1 | 1.59709 |
| nF | 486.1 | 1.60110 |
| nF' | 480.0 | 1.60160 |
| ng | 435.8 | 1.60587 |
| nh | 404.7 | 1.60981 |
| ni | 365.0 | 1.61651 |

| 分散式の常数 Constants of Dispersion Formula | |
|-------------------------------------------|-----------------------------|
| A0 | 2.5082367 |
| A1 | $-7.3364341 \times 10^{-3}$ |
| A2 | 1.2625639×10^{-2} |
| A3 | 2.2697479×10^{-4} |
| A4 | $-8.7309089 \times 10^{-6}$ |
| A5 | 6.2693824×10^{-7} |

| dn/dTの分散常数 Constants of Dispersion dn/dT abs. | |
|--------------------------------------------------|-------------------------|
| D0 | -1.29×10^{-5} |
| D1 | 6.41×10^{-9} |
| D2 | -4.23×10^{-11} |
| E0 | 4.04×10^{-7} |
| E1 | 7.68×10^{-10} |
| $\lambda_{TK} (\mu m)$ | 0.173 |

| 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 |
| 0.00703 | 0.00302 | 0.00267 | 0.00476 |
| $\theta_{C,t}$ | $\theta_{C,A'}$ | $\theta_{d,C}$ | $\theta_{e,C}$ |
| 0.802 | 0.344 | 0.304 | 0.543 |
| ng-nd | ng-nF | nh-ng | ni-ng |
| 0.01087 | 0.00477 | 0.00394 | 0.01064 |
| $\theta_{g,d}$ | $\theta_{g,F(\Delta)}$ | $\theta_{h,g}$ | $\theta_{i,g}$ |
| 1.239 | 0.544 (0.0139) | 0.449 | 1.213 |
| nC'-nt | ne-nC' | nF'-ne | ni-nF' |
| 0.00746 | 0.00433 | 0.00451 | 0.01491 |
| $\theta'_{C,t}$ | $\theta'_{e,C'}$ | $\theta'_{F',e}$ | $\theta'_{i,F'}$ |
| 0.844 | 0.490 | 0.510 | 1.687 |

| 機械的性質 Mechanical Properties | | 熱的性質 Thermal Properties | |
|---------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|-------|
| ヌープ硬さ Hk Knoop Hardness | 390 (4) | 転移点 Tg (°C) Transformation Point | 568 |
| ビッカース硬さ Hv Vickers Hardness | 380 | 屈伏点 At (°C) Yielding Point | 597 |
| 磨耗度 Ha Abrasion | 367 | 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 | 809 | (-30~+70°C) 101 (+100~+300°C) 129 | |
| 剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity | 312 | 熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity | 0.629 |
| ポアソン比 σ Poisson Ratio | 0.295 | 比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat | 537 |
| 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 | 37/32 |
| 耐久性(表面法) DW Chemical Durability | 1 | 比重 S.g Specific Gravity | 4.05 |
| 備考 Remarks | | 生産頻度 PF Production frequency | |

| 内部透過率 τ Internal Transmittance | | |
|----------------------------------------|-------------------|-------------------|
| $\lambda(\text{nm})$ | 3mm | 10mm |
| 270 | 0.03 ₉ | |
| 280 | 0.07 ₃ | |
| 290 | 0.09 ₄ | |
| 300 | 0.17 ₃ | |
| 310 | 0.30 ₄ | 0.01 ₈ |
| 320 | 0.47 ₂ | 0.08 ₂ |
| 330 | 0.63 ₉ | 0.22 ₅ |
| 340 | 0.78 ₂ | 0.44 ₁ |
| 350 | 0.88 ₃ | 0.66 ₂ |
| 360 | 0.94 ₀ | 0.81 ₆ |
| 370 | 0.97 ₁ | 0.90 ₈ |
| 380 | 0.98 ₅ | 0.95 ₃ |
| 390 | 0.99 ₂ | 0.97 ₅ |
| 400 | 0.99 ₅ | 0.98 ₄ |
| 420 | 0.99 ₈ | 0.99 ₅ |
| 440 | 0.99 ₈ | 0.99 ₅ |
| 460 | 0.99 ₈ | 0.99 ₃ |
| 480 | 0.99 ₈ | 0.99 ₇ |
| 500 | 0.99 ₈ | 0.99 ₇ |
| 550 | 0.99 ₈ | 0.99 ₈ |
| 600 | 0.99 ₈ | 0.99 ₆ |
| 650 | 0.99 ₈ | 0.99 ₆ |
| 700 | 0.99 ₈ | 0.99 ₆ |
| 800 | 0.99 ₈ | 0.99 ₆ |
| 1060 | 0.99 ₈ | 0.99 ₈ |
| 1500 | 0.99 ₈ | 0.99 ₈ |
| 2000 | 0.99 ₈ | 0.99 ₈ |

| 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 | -4.4 | -4.0 | -3.6 | -6.5 | -6.2 | -5.8 |
| 0/+20 | -4.5 | -4.1 | -3.6 | -6.1 | -5.7 | -5.2 |
| +40/+60 | -4.7 | -4.2 | -3.6 | -5.9 | -5.4 | -4.8 |

| | | | | | | |
|--------------------|----|---------|---------|------|---------|---------|
| 552720 K-PSK500 | nd | 1.55215 | ν_d | 72.0 | nF-nC | 0.00767 |
| | ne | 1.55398 | ν_e | 71.7 | nF'-nC' | 0.00773 |

| 屈折率 Refractive Indices | | |
|---------------------------|--------|---------|
| n1548 | 1548.1 | 1.53859 |
| n1309 | 1308.5 | 1.54069 |
| nt | 1014.0 | 1.54358 |
| nA' | 768.2 | 1.54716 |
| nr | 706.5 | 1.54849 |
| nC | 656.3 | 1.54982 |
| nC' | 643.9 | 1.55019 |
| nD | 589.3 | 1.55208 |
| nd | 587.6 | 1.55215 |
| ne | 546.1 | 1.55398 |
| nF | 486.1 | 1.55749 |
| nF' | 480.0 | 1.55792 |
| ng | 435.8 | 1.56164 |
| nh | 404.7 | 1.56506 |
| ni | 365.0 | 1.57086 |

| 分散式の常数 Constants of Dispersion Formula | |
|-------------------------------------------|-----------------------------|
| A0 | 2.3790004 |
| A1 | $-6.7834145 \times 10^{-3}$ |
| A2 | 1.0749512×10^{-2} |
| A3 | 1.7555369×10^{-4} |
| A4 | $-4.6285653 \times 10^{-6}$ |
| A5 | 2.8065215×10^{-7} |

| dn/dTの分散常数 Constants of Dispersion dn/dT abs. | |
|--------------------------------------------------|------------------------|
| D0 | -1.34×10^{-5} |
| D1 | 6.83×10^{-9} |
| D2 | 1.81×10^{-11} |
| E0 | 3.74×10^{-7} |
| E1 | 5.55×10^{-10} |
| $\lambda_{TK} (\mu m)$ | 0.195 |

| 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 |
| 0.00624 | 0.00266 | 0.00233 | 0.00416 |
| $\theta_{C,t}$ | $\theta_{C,A'}$ | $\theta_{d,C}$ | $\theta_{e,C}$ |
| 0.814 | 0.347 | 0.304 | 0.542 |
| ng-nd | ng-nF | nh-ng | ni-ng |
| 0.00949 | 0.00415 | 0.00342 | 0.00922 |
| $\theta_{g,d}$ | $\theta_{g,F(\Delta)}$ | $\theta_{h,g}$ | $\theta_{i,g}$ |
| 1.237 | 0.541 (0.0179) | 0.446 | 1.202 |
| nC'-nt | ne-nC' | nF'-ne | ni-nF' |
| 0.00661 | 0.00379 | 0.00394 | 0.01294 |
| $\theta'_{C',t}$ | $\theta'_{e,C'}$ | $\theta'_{F',e}$ | $\theta'_{i,F'}$ |
| 0.855 | 0.490 | 0.510 | 1.674 |

| 機械的性質 Mechanical Properties | | 熱的性質 Thermal Properties | |
|---------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|-------|
| ヌープ硬さ Hk Knoop Hardness | 390 (4) | 転移点 Tg (°C) Transformation Point | 495 |
| ビッカース硬さ Hv Vickers Hardness | 380 | 屈伏点 At (°C) Yielding Point | 526 |
| 磨耗度 Ha Abrasion | 433 | 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 | 782 | (-30~+70°C) 108 (+100~+300°C) 129 | |
| 剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity | 302 | 熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity | 0.714 |
| ポアソン比 σ Poisson Ratio | 0.297 | 比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat | 607 |
| 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 | 2 | 着色度 C Coloration | 34/27 |
| 耐久性(表面法) DW Chemical Durability | 1 | 比重 S.g Specific Gravity | 3.76 |
| 備考 Remarks | | 生産頻度 PF Production frequency | |

| 内部透過率 τ Internal Transmittance | | |
|----------------------------------------|-------------------|-------------------|
| $\lambda(\text{nm})$ | 3mm | 10mm |
| 270 | 0.41 ₆ | 0.05 ₃ |
| 280 | 0.48 ₇ | 0.09 ₀ |
| 290 | 0.58 ₅ | 0.16 ₈ |
| 300 | 0.69 ₂ | 0.29 ₄ |
| 310 | 0.79 ₆ | 0.46 ₇ |
| 320 | 0.87 ₇ | 0.64 ₅ |
| 330 | 0.93 ₂ | 0.79 ₁ |
| 340 | 0.96 ₂ | 0.88 ₁ |
| 350 | 0.98 ₂ | 0.94 ₂ |
| 360 | 0.99 ₁ | 0.97 ₀ |
| 370 | 0.99 ₄ | 0.98 ₁ |
| 380 | 0.99 ₅ | 0.98 ₄ |
| 390 | 0.99 ₇ | 0.99 ₁ |
| 400 | 0.99 ₇ | 0.99 ₂ |
| 420 | 0.99 ₇ | 0.99 ₂ |
| 440 | 0.99 ₆ | 0.98 ₉ |
| 460 | 0.99 ₇ | 0.99 ₁ |
| 480 | 0.99 ₇ | 0.99 ₂ |
| 500 | 0.99 ₈ | 0.99 ₃ |
| 550 | 0.99 ₈ | 0.99 ₅ |
| 600 | 0.99 ₇ | 0.99 ₂ |
| 650 | 0.99 ₇ | 0.99 ₁ |
| 700 | 0.99 ₈ | 0.99 ₃ |
| 800 | 0.99 ₈ | 0.99 ₃ |
| 1060 | 0.99 ₈ | 0.99 ₇ |
| 1500 | 0.99 ₈ | 0.99 ₇ |
| 2000 | 0.99 ₈ | 0.99 ₈ |

| 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 | -4.1 | -3.8 | -3.3 | -6.1 | -5.9 | -5.5 |
| 0/+20 | -4.4 | -4.1 | -3.6 | -5.9 | -5.6 | -5.1 |
| +40/+60 | -4.5 | -4.1 | -3.5 | -5.7 | -5.3 | -4.7 |

| | | | | | | |
|--------------------|----|---------|---------|------|---------|---------|
| 657623 K-LaFK65 | nd | 1.65670 | ν_d | 62.3 | nF-nC | 0.01054 |
| | ne | 1.65922 | ν_e | 62.0 | nF'-nC' | 0.01063 |

| 屈折率 Refractive Indices | | |
|---------------------------|--------|---------|
| n1548 | 1548.1 | 1.63718 |
| n1309 | 1308.5 | 1.64041 |
| nt | 1014.0 | 1.64471 |
| nA' | 768.2 | 1.64980 |
| nr | 706.5 | 1.65165 |
| nC | 656.3 | 1.65349 |
| nC' | 643.9 | 1.65400 |
| nD | 589.3 | 1.65661 |
| nd | 587.6 | 1.65670 |
| ne | 546.1 | 1.65922 |
| nF | 486.1 | 1.66403 |
| nF' | 480.0 | 1.66463 |
| ng | 435.8 | 1.66975 |
| nh | 404.7 | 1.67448 |
| ni | 365.0 | 1.68251 |

| 分散式の常数 Constants of Dispersion Formula | |
|-------------------------------------------|-----------------------------|
| A0 | 2.7016663 |
| A1 | $-1.1618909 \times 10^{-2}$ |
| A2 | 1.5582285×10^{-2} |
| A3 | 1.9824944×10^{-4} |
| A4 | 1.0097927×10^{-5} |
| A5 | $-5.2589483 \times 10^{-7}$ |

| dn/dTの分散常数 Constants of Dispersion dn/dT abs. | |
|--------------------------------------------------|-------------------------|
| D0 | -7.58×10^{-6} |
| D1 | 9.42×10^{-9} |
| D2 | -3.47×10^{-11} |
| E0 | 3.97×10^{-7} |
| E1 | 4.24×10^{-10} |
| $\lambda_{TK} (\mu m)$ | 0.182 |

| 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 |
| 0.00878 | 0.00369 | 0.00321 | 0.00573 |
| $\theta_{C,t}$ | $\theta_{C,A'}$ | $\theta_{d,C}$ | $\theta_{e,C}$ |
| 0.833 | 0.350 | 0.305 | 0.544 |
| ng-nd | ng-nF | nh-ng | ni-ng |
| 0.01305 | 0.00572 | 0.00473 | 0.01276 |
| $\theta_{g,d}$ | $\theta_{g,F(\Delta)}$ | $\theta_{h,g}$ | $\theta_{i,g}$ |
| 1.238 | 0.543 (0.0036) | 0.449 | 1.211 |
| nC'-nt | ne-nC' | nF'-ne | ni-nF' |
| 0.00929 | 0.00522 | 0.00541 | 0.01788 |
| $\theta'_{C,t}$ | $\theta'_{e,C'}$ | $\theta'_{F',e}$ | $\theta'_{i,F'}$ |
| 0.874 | 0.491 | 0.509 | 1.682 |

| 機械的性質 Mechanical Properties | | 熱的性質 Thermal Properties | |
|---------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|-------|
| ヌープ硬さ Hk Knoop Hardness | 557 (6) | 転移点 Tg (°C) Transformation Point | 506 |
| ビッカース硬さ Hv Vickers Hardness | 555 | 屈伏点 At (°C) Yielding Point | 542 |
| 磨耗度 Ha Abrasion | 170 | 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 | 1044 | (-30~+70°C) | 81 |
| | | (+100~+300°C) | 103 |
| 剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity | 403 | 熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity | 0.788 |
| ポアソン比 σ Poisson Ratio | 0.295 | 比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat | 536 |
| 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 | 5 | 着色度 C Coloration | 36/28 |
| 耐久性(表面法) DW Chemical Durability | 1 | 比重 S.g Specific Gravity | 4.36 |
| 備考 Remarks | | 生産頻度 PF Production frequency | |

| 内部透過率 τ Internal Transmittance | | |
|----------------------------------------|-------------------|-------------------|
| $\lambda(\text{nm})$ | 3mm | 10mm |
| 270 | 0.46 ₄ | 0.07 ₇ |
| 280 | 0.53 ₇ | 0.12 ₆ |
| 290 | 0.62 ₂ | 0.20 ₆ |
| 300 | 0.69 ₄ | 0.29 ₆ |
| 310 | 0.72 ₃ | 0.34 ₀ |
| 320 | 0.85 ₅ | 0.59 ₃ |
| 330 | 0.90 ₉ | 0.72 ₉ |
| 340 | 0.94 ₁ | 0.81 ₈ |
| 350 | 0.96 ₃ | 0.88 ₂ |
| 360 | 0.97 ₆ | 0.92 ₃ |
| 370 | 0.98 ₅ | 0.95 ₃ |
| 380 | 0.99 ₂ | 0.97 ₃ |
| 390 | 0.99 ₃ | 0.97 ₉ |
| 400 | 0.99 ₅ | 0.98 ₆ |
| 420 | 0.99 ₇ | 0.99 ₁ |
| 440 | 0.99 ₈ | 0.99 ₆ |
| 460 | 0.99 ₈ | 0.99 ₄ |
| 480 | 0.99 ₈ | 0.99 ₈ |
| 500 | 0.99 ₈ | 0.99 ₈ |
| 550 | 0.99 ₈ | 0.99 ₈ |
| 600 | 0.99 ₈ | 0.99 ₈ |
| 650 | 0.99 ₈ | 0.99 ₈ |
| 700 | 0.99 ₈ | 0.99 ₈ |
| 800 | 0.99 ₈ | 0.99 ₈ |
| 1060 | 0.99 ₈ | 0.99 ₈ |
| 1500 | 0.99 ₈ | 0.99 ₈ |
| 2000 | 0.99 ₃ | 0.97 ₉ |

| 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 | -2.2 | -1.8 | -1.2 | -4.4 | -4.0 | -3.5 |
| 0/+20 | -2.3 | -1.8 | -1.1 | -3.9 | -3.4 | -2.8 |
| +40/+60 | -2.3 | -1.8 | -1.1 | -3.6 | -3.0 | -2.4 |

| | | | | | | |
|----------------------|----|---------|---------|------|---------|---------|
| 144178 K-PSFn214P | nd | 2.14400 | ν_d | 17.8 | nF-nC | 0.06443 |
| | ne | 2.15905 | ν_e | 17.6 | nF'-nC' | 0.06585 |

| 屈折率 Refractive Indices | | |
|---------------------------|--------|---------|
| n1548 | 1548.1 | 2.06810 |
| n1309 | 1308.5 | 2.07451 |
| nt | 1014.0 | 2.08666 |
| nA' | 768.2 | 2.10750 |
| nr | 706.5 | 2.11653 |
| nC | 656.3 | 2.12607 |
| nC' | 643.9 | 2.12882 |
| nD | 589.3 | 2.14345 |
| nd | 587.6 | 2.14400 |
| ne | 546.1 | 2.15905 |
| nF | 486.1 | 2.19050 |
| nF' | 480.0 | 2.19467 |
| ng | 435.8 | 2.23296 |
| nh | 404.7 | |
| ni | 365.0 | |

| 分散式の常数 Constants of Dispersion Formula | |
|-------------------------------------------|-----------------------------|
| A0 | 4.2694007 |
| A1 | $-1.3941316 \times 10^{-2}$ |
| A2 | 9.5671794×10^{-2} |
| A3 | 6.5505527×10^{-3} |
| A4 | $-2.8211750 \times 10^{-4}$ |
| A5 | 9.8041281×10^{-5} |

| dn/dTの分散常数 Constants of Dispersion dn/dT abs. | |
|--------------------------------------------------|-------------------------|
| D0 | 1.59×10^{-5} |
| D1 | 3.02×10^{-8} |
| D2 | -1.86×10^{-10} |
| E0 | 3.53×10^{-6} |
| E1 | 1.81×10^{-9} |
| $\lambda_{TK} (\mu m)$ | 0.287 |

| 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 |
| 0.03941 | 0.01857 | 0.01793 | 0.03298 |
| $\theta_{C,t}$ | $\theta_{C,A'}$ | $\theta_{d,C}$ | $\theta_{e,C}$ |
| 0.612 | 0.288 | 0.278 | 0.512 |
| ng-nd | ng-nF | nh-ng | ni-ng |
| 0.08896 | 0.04246 | | |
| $\theta_{g,d}$ | $\theta_{g,F(\Delta)}$ | $\theta_{h,g}$ | $\theta_{i,g}$ |
| 1.381 | 0.659 (0.0448) | | |
| nC'-nt | ne-nC' | nF'-ne | ni-nF' |
| 0.04216 | 0.03023 | 0.03562 | |
| $\theta'_{C,t}$ | $\theta'_{e,C'}$ | $\theta'_{F',e}$ | $\theta'_{i,F'}$ |
| 0.640 | 0.459 | 0.541 | |

| 機械的性質 Mechanical Properties | 熱的性質 Thermal Properties |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| ヌープ硬さ Hk Knoop Hardness 416 (4) | 転移点 Tg (°C) Transformation Point 427 |
| ビッカース硬さ Hv Vickers Hardness 409 | 屈伏点 At (°C) Yielding Point 452 |
| 磨耗度 Ha Abrasion 300 | 線膨張係数 $\alpha (\times 10^{-7} \text{°C}^{-1})$ Thermal Expansion 81 |
| ヤング率 E ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Young's Modulus 776 | (-30~+70°C) 81 (+100~+300°C) 99 |
| 剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity 305 | 熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity |
| ポアソン比 σ Poisson Ratio 0.272 | 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 3 | 着色度 C Coloration (52)/42 |
| 耐久性(表面法) DW Chemical Durability 1 | 比重 S.g Specific Gravity 7.07 |
| 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 | | |
| 370 | | |
| 380 | | |
| 390 | | |
| 400 | | |
| 420 | 0.37 ₀ | 0.03 ₆ |
| 440 | 0.71 ₄ | 0.32 ₆ |
| 460 | 0.84 ₄ | 0.56 ₉ |
| 480 | 0.90 ₆ | 0.72 ₀ |
| 500 | 0.94 ₇ | 0.83 ₅ |
| 550 | 0.99 ₁ | 0.97 ₂ |
| 600 | 0.99 ₅ | 0.98 ₅ |
| 650 | 0.99 ₅ | 0.98 ₅ |
| 700 | 0.99 ₅ | 0.98 ₆ |
| 800 | 0.99 ₆ | 0.98 ₇ |
| 1060 | 0.99 ₈ | 0.99 ₇ |
| 1500 | 0.99 ₈ | 0.99 ₈ |
| 2000 | 0.99 ₅ | 0.98 ₄ |

| 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 | 13.0 | 23.2 | | 10.3 | 20.3 | |
| 0/+20 | 15.3 | 26.1 | | 13.3 | 23.9 | |
| +40/+60 | 16.5 | 27.7 | | 14.9 | 26.1 | |

| | | | | | | |
|-------------------|----|---------|---------|------|---------|---------|
| 799418 K-VC179 | nd | 1.79890 | ν_d | 41.8 | nF-nC | 0.01909 |
| | ne | 1.80343 | ν_e | 41.6 | nF'-nC' | 0.01932 |

| 屈折率 Refractive Indices | | |
|---------------------------|--------|---------|
| n1548 | 1548.1 | 1.76880 |
| n1309 | 1308.5 | 1.77288 |
| nt | 1014.0 | 1.77888 |
| nA' | 768.2 | 1.78692 |
| nr | 706.5 | 1.79005 |
| nC | 656.3 | 1.79322 |
| nC' | 643.9 | 1.79411 |
| nD | 589.3 | 1.79873 |
| nd | 587.6 | 1.79890 |
| ne | 546.1 | 1.80343 |
| nF | 486.1 | 1.81231 |
| nF' | 480.0 | 1.81343 |
| ng | 435.8 | 1.82313 |
| nh | 404.7 | 1.83234 |
| ni | 365.0 | 1.84855 |

| 分散式の常数 Constants of Dispersion Formula | |
|-------------------------------------------|-----------------------------|
| A0 | 3.1494839 |
| A1 | $-1.3834728 \times 10^{-2}$ |
| A2 | 2.9185440×10^{-2} |
| A3 | 8.0690933×10^{-4} |
| A4 | $-6.1681096 \times 10^{-6}$ |
| A5 | 2.3940146×10^{-6} |

| dn/dTの分散常数 Constants of Dispersion dn/dT abs. | |
|--------------------------------------------------|-------------------------|
| D0 | 5.81×10^{-6} |
| D1 | 1.54×10^{-8} |
| D2 | -1.28×10^{-10} |
| E0 | 7.89×10^{-7} |
| E1 | 6.03×10^{-10} |
| $\lambda_{TK} (\mu m)$ | 0.215 |

| 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 |
| 0.01434 | 0.00630 | 0.00568 | 0.01021 |
| $\theta_{C,t}$ | $\theta_{C,A'}$ | $\theta_{d,C}$ | $\theta_{e,C}$ |
| 0.751 | 0.330 | 0.298 | 0.535 |
| ng-nd | ng-nF | nh-ng | ni-ng |
| 0.02423 | 0.01082 | 0.00921 | 0.02542 |
| $\theta_{g,d}$ | $\theta_{g,F(\Delta)}$ | $\theta_{h,g}$ | $\theta_{i,g}$ |
| 1.269 | 0.567 (-0.0069) | 0.482 | 1.332 |
| nC'-nt | ne-nC' | nF'-ne | ni-nF' |
| 0.01523 | 0.00932 | 0.01000 | 0.03512 |
| $\theta'_{C,t}$ | $\theta'_{e,C'}$ | $\theta'_{F',e}$ | $\theta'_{i,F'}$ |
| 0.788 | 0.482 | 0.518 | 1.818 |

| 機械的性質 Mechanical Properties | | 熱的性質 Thermal Properties | |
|-------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------|--|
| ヌープ硬さ Hk Knoop Hardness 625 (6) | | 転移点 Tg (°C) Transformation Point 523 | |
| ビッカース硬さ Hv Vickers Hardness 612 | | 屈伏点 At (°C) Yielding Point 561 | |
| 磨耗度 Ha Abrasion 97 | | 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 1131 | | (-30~+70°C) 61 (+100~+300°C) 80 | |
| 剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity 433 | | 熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity 0.815 | |
| ポアソン比 σ Poisson Ratio 0.306 | | 比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat 520 | |
| 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 3 | | 着色度 C Coloration 39/34 | |
| 耐久性(表面法) DW Chemical Durability 1 | | 比重 S.g Specific Gravity 4.65 | |
| 備考 Remarks | | 生産頻度 PF Production frequency | |

| 内部透過率 τ Internal Transmittance | | |
|----------------------------------------|-------------------|-------------------|
| $\lambda(\text{nm})$ | 3mm | 10mm |
| 270 | | |
| 280 | | |
| 290 | | |
| 300 | | |
| 310 | | |
| 320 | | |
| 330 | | |
| 340 | 0.16 ₅ | 0.01 ₁ |
| 350 | 0.48 ₈ | 0.16 ₆ |
| 360 | 0.72 ₉ | 0.45 ₃ |
| 370 | 0.86 ₀ | 0.68 ₅ |
| 380 | 0.92 ₂ | 0.81 ₈ |
| 390 | 0.95 ₂ | 0.88 ₅ |
| 400 | 0.97 ₃ | 0.93 ₄ |
| 420 | 0.98 ₆ | 0.96 ₅ |
| 440 | 0.99 ₄ | 0.98 ₅ |
| 460 | 0.99 ₇ | 0.99 ₃ |
| 480 | 0.99 ₈ | 0.99 ₅ |
| 500 | 0.99 ₈ | 0.99 ₈ |
| 550 | 0.99 ₈ | 0.99 ₈ |
| 600 | 0.99 ₈ | 0.99 ₈ |
| 650 | 0.99 ₈ | 0.99 ₈ |
| 700 | 0.99 ₈ | 0.99 ₈ |
| 800 | 0.99 ₈ | 0.99 ₈ |
| 1060 | 0.99 ₈ | 0.99 ₈ |
| 1500 | 0.99 ₈ | 0.99 ₈ |
| 2000 | 0.97 ₄ | 0.93 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 | 4.5 | 6.0 | 7.9 | 2.2 | 3.6 | 5.3 |
| 0/+20 | 5.2 | 6.8 | 8.8 | 3.5 | 5.0 | 6.9 |
| +40/+60 | 5.4 | 7.1 | 9.2 | 4.1 | 5.7 | 7.7 |

| | | | | | | |
|-------------------|----|---------|---------|------|---------|---------|
| 665473 K-LCV93 | nd | 1.66520 | ν_d | 47.3 | nF-nC | 0.01406 |
| | ne | 1.66854 | ν_e | 47.1 | nF'-nC' | 0.01420 |

| 屈折率 Refractive Indices | | |
|---------------------------|--------|---------|
| n1548 | 1548.1 | 1.64146 |
| n1309 | 1308.5 | 1.64504 |
| nt | 1014.0 | 1.65000 |
| nA' | 768.2 | 1.65624 |
| nr | 706.5 | 1.65860 |
| nC | 656.3 | 1.66098 |
| nC' | 643.9 | 1.66165 |
| nD | 589.3 | 1.66507 |
| nd | 587.6 | 1.66520 |
| ne | 546.1 | 1.66854 |
| nF | 486.1 | 1.67504 |
| nF' | 480.0 | 1.67585 |
| ng | 435.8 | 1.68288 |
| nh | 404.7 | 1.68948 |
| ni | 365.0 | 1.70100 |

| 分散式の常数 Constants of Dispersion Formula | |
|-------------------------------------------|-----------------------------|
| A0 | 2.7157014 |
| A1 | $-1.2306139 \times 10^{-2}$ |
| A2 | 1.9299156×10^{-2} |
| A3 | 7.6108019×10^{-4} |
| A4 | $-4.4909824 \times 10^{-5}$ |
| A5 | 3.3413499×10^{-6} |

| dn/dTの分散常数 Constants of Dispersion dn/dT abs. | |
|--------------------------------------------------|-------------------------|
| D0 | 2.14×10^{-5} |
| D1 | 1.46×10^{-8} |
| D2 | -1.89×10^{-10} |
| E0 | 7.20×10^{-7} |
| E1 | 9.27×10^{-10} |
| $\lambda_{TK} (\mu m)$ | 0.225 |

| 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 |
| 0.01098 | 0.00474 | 0.00422 | 0.00756 |
| $\theta_{C,t}$ | $\theta_{C,A'}$ | $\theta_{d,C}$ | $\theta_{e,C}$ |
| 0.781 | 0.337 | 0.300 | 0.538 |
| ng-nd | ng-nF | nh-ng | ni-ng |
| 0.01768 | 0.00784 | 0.00660 | 0.01812 |
| $\theta_{g,d}$ | $\theta_{g,F(\Delta)}$ | $\theta_{h,g}$ | $\theta_{i,g}$ |
| 1.257 | 0.558 (-0.0066) | 0.469 | 1.289 |
| nC'-nt | ne-nC' | nF'-ne | ni-nF' |
| 0.01165 | 0.00689 | 0.00731 | 0.02515 |
| $\theta'_{C,t}$ | $\theta'_{e,C'}$ | $\theta'_{F',e}$ | $\theta'_{i,F'}$ |
| 0.820 | 0.485 | 0.515 | 1.771 |

| 機械的性質 Mechanical Properties | | 熱的性質 Thermal Properties | |
|---------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|-------|
| ヌープ硬さ Hk Knoop Hardness | 552 (6) | 転移点 Tg (°C) Transformation Point | 547 |
| ビッカース硬さ Hv Vickers Hardness | 549 | 屈伏点 At (°C) Yielding Point | 578 |
| 磨耗度 Ha Abrasion | 80 | 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 | 821 | (-30~+70°C) 30 (+100~+300°C) 46 | |
| 剛性率 G ($\times 10^8 \text{N}\cdot\text{m}^{-2}$) Modulus of Rigidity | 313 | 熱伝導率 $\lambda (\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1})$ Thermal Conductivity | 0.767 |
| ポアソン比 σ Poisson Ratio | 0.309 | 比熱 Cp ($\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$) Specific Heat | 631 |
| 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 | 4 | 着色度 C Coloration | 38/33 |
| 耐久性(表面法) DW Chemical Durability | 1 | 比重 S.g Specific Gravity | 3.64 |
| 備考 Remarks | | 生産頻度 PF Production frequency | |

| 内部透過率 τ Internal Transmittance | | |
|----------------------------------------|-------------------|-------------------|
| $\lambda(\text{nm})$ | 3mm | 10mm |
| 270 | | |
| 280 | | |
| 290 | | |
| 300 | | |
| 310 | | |
| 320 | 0.17 ₃ | |
| 330 | 0.32 ₀ | 0.02 ₂ |
| 340 | 0.63 ₃ | 0.21 ₈ |
| 350 | 0.82 ₆ | 0.52 ₉ |
| 360 | 0.91 ₆ | 0.74 ₆ |
| 370 | 0.95 ₇ | 0.86 ₃ |
| 380 | 0.97 ₄ | 0.91 ₈ |
| 390 | 0.98 ₅ | 0.95 ₂ |
| 400 | 0.99 ₀ | 0.96 ₉ |
| 420 | 0.99 ₅ | 0.98 ₅ |
| 440 | 0.99 ₈ | 0.99 ₃ |
| 460 | 0.99 ₈ | 0.99 ₈ |
| 480 | 0.99 ₈ | 0.99 ₈ |
| 500 | 0.99 ₈ | 0.99 ₈ |
| 550 | 0.99 ₈ | 0.99 ₈ |
| 600 | 0.99 ₈ | 0.99 ₈ |
| 650 | 0.99 ₈ | 0.99 ₈ |
| 700 | 0.99 ₈ | 0.99 ₈ |
| 800 | 0.99 ₈ | 0.99 ₈ |
| 1060 | 0.99 ₈ | 0.99 ₈ |
| 1500 | 0.99 ₈ | 0.99 ₈ |
| 2000 | 0.99 ₀ | 0.96 ₈ |

| 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 | 11.9 | 13.3 | 14.9 | 9.7 | 11.0 | 12.5 |
| 0/+20 | 12.6 | 14.1 | 15.9 | 11.0 | 12.5 | 14.2 |
| +40/+60 | 12.7 | 14.3 | 16.2 | 11.4 | 13.0 | 14.9 |

| | | | | | | |
|-------------------|----|---------|---------|------|---------|---------|
| 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 | |
| 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^{-9} |
| $\lambda_{TK} (\mu m)$ | 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 |
| 磨耗度 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 | |
| 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 | |
| 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 |