# Glass Type E-PSKH1

Code(d) 593679
Code(e) 595676

| | | | | | |
|---|---|---|---|---|---|
| nd | 1.59319 | νd | 67.90 | nF-nC | 0.008736 |
| ne | 1.59527 | νe | 67.54 | nF'-nC' | 0.008813 |

## Refractive Indeces

| | λ (μm) | |
|---|---|---|
| nA' | 0.768195 | 1.58754 |
| nr | 0.706519 | 1.58904 |
| nC | 0.656273 | 1.59054 |
| nC' | 0.643847 | 1.59096 |
| nHe-Ne | 0.63280 | 1.59135 |
| nD | 0.589294 | 1.59311 |
| nd | 0.587562 | 1.59319 |
| ne | 0.546074 | 1.59527 |
| nF | 0.486133 | 1.59928 |
| nF' | 0.479992 | 1.59977 |
| ng | 0.435835 | 1.60403 |
| nh | 0.404656 | 1.60796 |

## Abbe Nunber

| | |
|---|---|
| νd | 67.90 |
| νe | 67.54 |
| νg | 54.73 |

## Constants of Dispersion Formula

| | |
|---|---|
| $A_0$ | 2.50207810E+00 |
| $A_1$ | -6.71970823E-03 |
| $A_2$ | 1.28279960E-02 |
| $A_3$ | 1.55814594E-04 |
| $A_4$ | 1.25895581E-06 |
| $A_5$ | 9.42857839E-08 |
| $A_6$ | -5.36411412E-05 |

## Mechanical Properties

| | | |
|---|---|---|
| Specific Gravity | SG | 4.11 |
| Bubble Quality Group | B | 1 |

## Partial Dispersions

| | |
|---|---|
| nd-nC | 0.002650 |
| ne-nd | 0.002084 |
| ng-nd | 0.010838 |
| ng-nF | 0.004752 |
| nd-nC' | 0.002229 |
| nF'-nd | 0.006584 |

## Relative Partial Dispersions

| | |
|---|---|
| P d,C | 0.3033 |
| P e,d | 0.2386 |
| P g,F | 0.5440 |
| P'd,C' | 0.2529 |
| P'e,d | 0.2365 |
| P'g,F' | 0.4827 |

## Deviation of Relative Partial Dispersions ΔP from"Normal"

| | |
|---|---|
| ΔP g,d | 0.0187 |
| ΔP g,F | 0.0139 |

## Thermal Properties

| | | |
|---|---|---|
| Transformation Temperature | Tg (°C) | 565 |
| Yield Point | At (°C) | 592 |
| Expansion Coefficients | α (°C) | 132 |

## Chemical Properties

| | |
|---|---|
| Water Resistance(Powder)WR(P | 1 |
| Acid Resistance(powder)AR(P) | 1 |

## Mechanical Properties

| | | |
|---|---|---|
| Knoop Hardness | Hk | 290(3) |
| Abrasion | A | 540 |
| Young's Modulus | E | |
| Rigidity Modulus | G | |
| Poisson's Ratio | ν | |
| Photoelastic Constant | β | |

## Coloring

| | |
|---|---|
| $λ_{80}/λ_5$ | 36/31 |
| $λ_{70}/λ_5$ | |

## Internal Transmittance

| $λ_{80}/λ_5$ | 345/305 |
|---|---|
| λ (nm) | τ 10mm |
| 280 | |
| 290 | |
| 300 | 0.02 |
| 310 | 0.11 |
| 320 | 0.31 |
| 330 | 0.54 |
| 340 | 0.73 |
| 350 | 0.85 |
| 360 | 0.921 |
| 370 | 0.96 |
| 380 | 0.977 |
| 390 | 0.984 |
| 400 | 0.989 |
| 420 | 0.989 |
| 440 | 0.99 |
| 460 | 0.991 |
| 480 | 0.992 |
| 500 | 0.993 |
| 550 | 0.993 |
| 600 | 0.995 |
| 650 | 0.993 |
| 700 | 0.991 |
| 800 | 0.99 |
| 900 | 0.999 |
| 1000 | 0.999 |
| 1200 | 0.999 |
| 1400 | 0.999 |
| 1600 | 0.999 |
| 1800 | 0.997 |
| 2000 | 0.997 |
| 2200 | 0.996 |
| 2400 | 0.994 |

※本データは、改良等のため予告なく変更される場合があります。