

Catalogue Thickness 3.5 mm

Refraction Factor 0.922

Spectral Transmittance Table & Internal Transmittance Table

| nm | 200   | 210   | 220   | 230   | 240   | 250   | 260   | 270   | 280   | 290   | 300   | 310   | 320   | 330   | 340   | 350   | 360   | 370   | 380   | 390   | 400   | 410   | 420   | 430   |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| T  | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.133 | 0.250 | 0.469 | 0.612 | 0.798 | 0.851 | 0.915 | 0.945 | 0.968 | 0.968 | 0.976 | 0.961 | 0.938 | 0.923 | 0.915 | 0.923 |
| Ti | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.145 | 0.271 | 0.509 | 0.663 | 0.866 | 0.923 | 0.993 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| nm | 440   | 450   | 460   | 470   | 480   | 490   | 500   | 510   | 520   | 530   | 540   | 550   | 560   | 570   | 580   | 590   | 600   | 610   | 620   | 630   | 640   | 650   | 660   | 670   |
| T  | 0.923 | 0.930 | 0.923 | 0.930 | 0.930 | 0.930 | 0.938 | 0.930 | 0.923 | 0.923 | 0.930 | 0.930 | 0.930 | 0.923 | 0.915 | 0.893 | 0.879 | 0.851 | 0.818 | 0.779 | 0.742 | 0.701 | 0.658 | 0.612 |
| Ti | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.993 | 0.969 | 0.953 | 0.923 | 0.887 | 0.845 | 0.805 | 0.761 | 0.713 | 0.663 |
| nm | 680   | 690   | 700   | 710   | 720   | 730   | 740   | 750   | 760   | 780   | 800   | 820   | 840   | 860   | 880   | 900   | 920   | 940   | 960   | 980   | 1000  | 1050  | 1100  | 1150  |
| T  | 0.569 | 0.533 | 0.500 | 0.426 | 0.359 | 0.306 | 0.262 | 0.267 | 0.195 | 0.134 | 0.092 | 0.058 | 0.037 | 0.022 | 0.014 | 0.008 | 0.005 | 0.003 | 0.002 | 0.002 | 0.001 | 0.001 | 0.000 | 0.000 |
| Ti | 0.617 | 0.579 | 0.542 | 0.462 | 0.390 | 0.332 | 0.285 | 0.289 | 0.211 | 0.146 | 0.100 | 0.063 | 0.040 | 0.024 | 0.015 | 0.009 | 0.005 | 0.004 | 0.003 | 0.002 | 0.001 | 0.001 | 0.000 | 0.000 |
| nm | 1200  | 1250  | 1300  | 1350  | 1400  | 1450  | 1500  | 1600  | 1700  | 1800  | 1900  | 2000  | 2100  | 2200  | 2300  | 2400  | 2500  | 2600  | 2700  | 2800  | 2900  | 3000  |       |       |
| T  | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.002 | 0.004 | 0.008 | 0.007 | 0.006 | 0.006 | 0.006 | 0.008 | 0.009 | 0.014 | 0.022 | 0.034 | 0.039 | 0.045 | 0.052 |       |       |
| Ti | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.002 | 0.004 | 0.008 | 0.008 | 0.007 | 0.006 | 0.006 | 0.008 | 0.010 | 0.015 | 0.024 | 0.037 | 0.043 | 0.049 | 0.057 |       |       |

Index-number

| Line | i     | h     | g     | F'    | F     | e      | d     | D     | C'    | C     | r     | A'    | t      |
|------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| nm   | 365.0 | 404.7 | 435.8 | 480.0 | 486.1 | 546.1  | 587.6 | 589.3 | 643.8 | 656.3 | 706.5 | 768.2 | 1014.0 |
| n    |       |       |       |       |       | 1.5050 |       |       |       |       |       |       |        |

Abbe-number

| Line | g     | F'    | F     | e     | d     | D     | C'    | C     | r     |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| nm   | 435.8 | 480.0 | 486.1 | 546.1 | 587.6 | 589.3 | 643.8 | 656.3 | 706.5 |
| v    |       |       |       |       |       |       |       |       |       |

Color Specifications

|   | x     | y     | T      | Thick |
|---|-------|-------|--------|-------|
| A | 0.441 | 0.411 | 87.400 | 2.0   |
| B | 0.343 | 0.353 | 87.900 | 2.0   |

Properties

| Chimic |     | Termic |     | Mechanic |      |      | Other  |              |  |
|--------|-----|--------|-----|----------|------|------|--------|--------------|--|
| FR*    | SR* | Tg     | CTE | SG       | HG   | Beta | Bubble | Visual Color |  |
| C      | 1   | 570    | 59  | 2.44     | 0.66 | 2.2  |        | cyan         |  |

Tolerances of Transmittance & Wavelength

| T (%)            |    | WL (nm) |    | T (%)                  |   | WL (nm) |    |
|------------------|----|---------|----|------------------------|---|---------|----|
| Standard Quality |    |         |    | Extra Standard Quality |   |         |    |
| minor            | 10 | minor   | 15 | minor                  | 5 | minor   | 10 |

Spectral Transmittance Graphic

GOST BGC27 CLOSE TO SCHOTT GLASS KG1 & HOYA GLASS HA30/HA50

