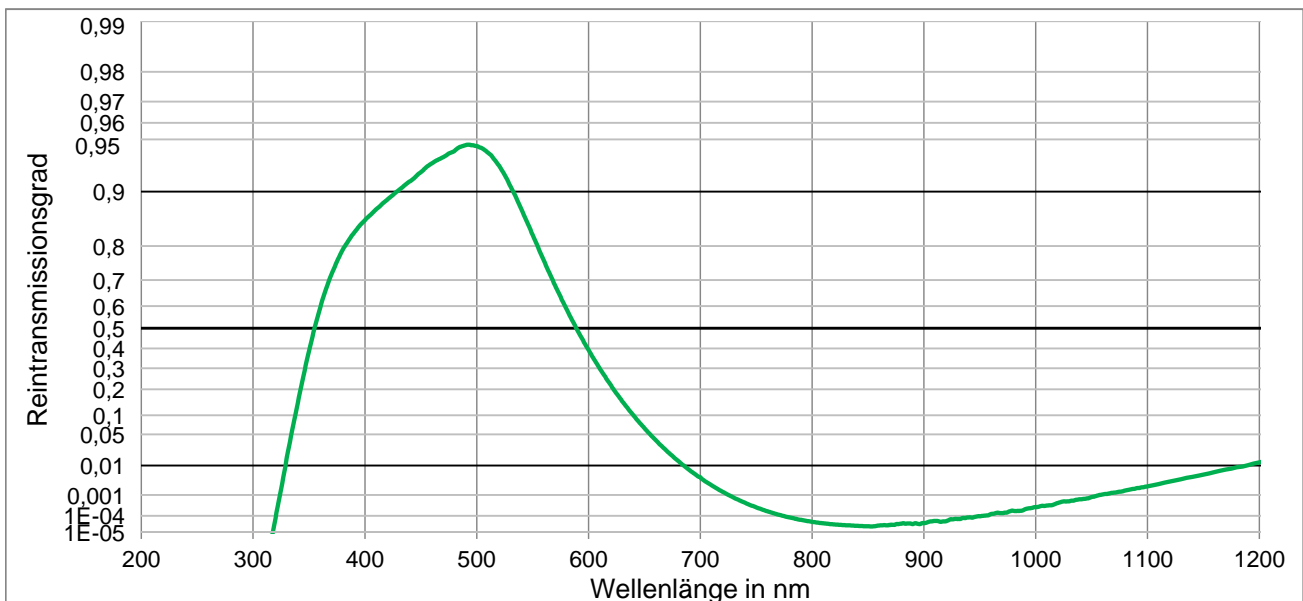
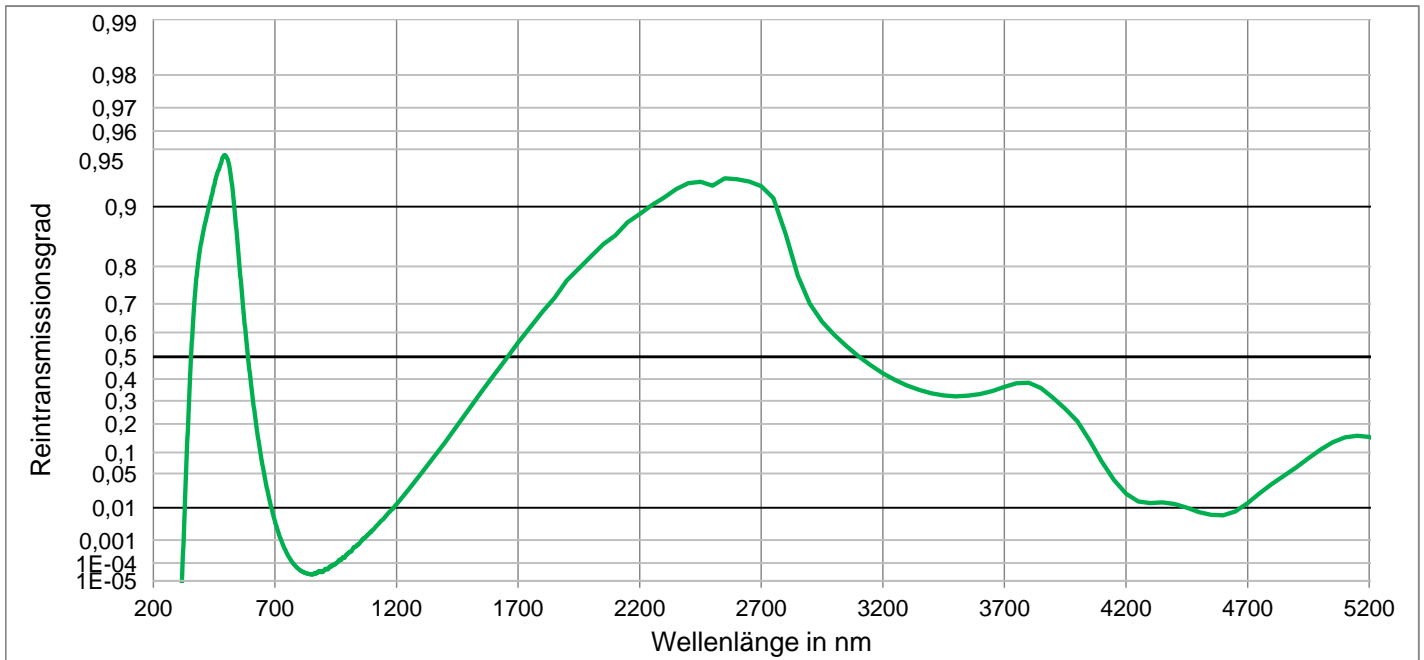


BG60HT

| Optische Eigenschaften | Mechanische Eigenschaften | Farbmetrische Eigenschaften |
|---|---|---|
| Reflexionsfaktor | Referenzdicke | 1 mm 2 mm 3 mm |
| $P_d = 0,914$ | $d = 1,00 \text{ mm}$ | Illuminant D65 x 0,233 0,198 0,178 y 0,315 0,300 0,287 Y 64,1 50,6 42,0 λ_d 489 nm 488 nm 488 nm P _e 0,300 0,442 0,525 |
| Spektrale Garantiewerte | Dichte | |
| $\tau_i (405 \text{ nm}) \geq 0,85$ | $\rho = 2,83 \text{ g/cm}^3$ | |
| $\tau_i (514 \text{ nm}) \geq 0,93$ | Knoophärte | |
| $\tau_i (633 \text{ nm}) \geq 0,1$ | HK[0.1/20] = 362 | |
| $\tau_i (694 \text{ nm}) \leq 0,008$ | Thermische Eigenschaften | Illuminant A x 0,330 0,266 0,227 y 0,435 0,436 0,429 Y 55,7 40,8 32,2 λ_d 499 nm 498 nm 496 nm P _e 0,270 0,421 0,514 |
| $\tau_i (1060 \text{ nm}) \leq 0,0015$ | Transformationstemperatur | |
| | $T_g = 411 \text{ }^\circ\text{C}$ | |
| | Wärmeausdehnung in $10^{-6}/\text{K}$ | |
| | $\alpha_{(-30^\circ\text{C}/+70^\circ\text{C})} = 12,0$ | |
| Brechungsindizes | $\alpha_{(20^\circ\text{C}/300^\circ\text{C})} = 13,9$ | Bemerkungen |
| $n_F (486 \text{ nm}) = 1,54$ | Chemische Eigenschaften | |
| $n_e (546 \text{ nm}) = 1,54$ | Chemische Haltbarkeit | Ionengefärbtes Glas |
| $n_d (587,6 \text{ nm}) = 1,54$ | FR Klasse = 1 | Bandpassfilter / Kurzpassfilter |
| | SR Klasse = 52.2 | NIR-Sperrfilter |
| Sellmeierkoeffizienten | AR Klasse = 3.2 | $\lambda_{50\%}(d=0.3\text{mm}) = 633 \text{ nm}$ |
| gültig von 340 nm bis 1550 nm | Feuchtebeständigkeit | DIN 58131 |
| B ₁ 1,3298 | Resistentes Glas | Disclaimer |
| B ₂ 0,0004 | siehe Pocketkatalog "Optisches Filterglas 2020", Kapitel 5.5 | Alle Angaben ohne Toleranzen sind als Richtwerte zu betrachten. |
| B ₃ 2,5598 | | |
| C ₁ 9,241E-03 μm^2 | | |
| C ₂ 1,0918E-01 μm^2 | | |
| C ₃ 450,591 μm^2 | | |
| Innere Qualität | | |
| Blasenklasse 2 | | |



BG60HT



Reintransmissionsgrad τ_i bei der Referenzdicke
 Die Reintransmissionsgrade, tabellarisch und graphisch, sind als Richtwerte zu verstehen.

| λ /nm | τ_i | λ /nm | τ_i | λ /nm | τ_i | λ /nm | τ_i | λ /nm | τ_i | λ /nm | τ_i |
|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
| 200 | < 1,0E-05 | 500 | 9,452E-01 | 800 | 4,502E-05 | 1100 | 2,177E-03 | 2200 | 8,909E-01 | 3700 | 3,635E-01 |
| 210 | < 1,0E-05 | 510 | 9,404E-01 | 810 | 3,656E-05 | 1110 | 2,626E-03 | 2250 | 9,019E-01 | 3750 | 3,805E-01 |
| 220 | < 1,0E-05 | 520 | 9,288E-01 | 820 | 3,119E-05 | 1120 | 3,188E-03 | 2300 | 9,103E-01 | 3800 | 3,826E-01 |
| 230 | < 1,0E-05 | 530 | 9,073E-01 | 830 | 2,793E-05 | 1130 | 3,874E-03 | 2350 | 9,188E-01 | 3850 | 3,583E-01 |
| 240 | < 1,0E-05 | 540 | 8,739E-01 | 840 | 2,564E-05 | 1140 | 4,603E-03 | 2400 | 9,246E-01 | 3900 | 3,143E-01 |
| 250 | < 1,0E-05 | 550 | 8,260E-01 | 850 | 2,372E-05 | 1150 | 5,383E-03 | 2450 | 9,257E-01 | 3950 | 2,645E-01 |
| 260 | < 1,0E-05 | 560 | 7,618E-01 | 860 | 2,639E-05 | 1160 | 6,519E-03 | 2500 | 9,222E-01 | 4000 | 2,114E-01 |
| 270 | < 1,0E-05 | 570 | 6,817E-01 | 870 | 2,872E-05 | 1170 | 7,711E-03 | 2550 | 9,288E-01 | 4050 | 1,384E-01 |
| 280 | < 1,0E-05 | 580 | 5,900E-01 | 880 | 3,410E-05 | 1180 | 8,976E-03 | 2600 | 9,279E-01 | 4100 | 7,617E-02 |
| 290 | < 1,0E-05 | 590 | 4,908E-01 | 890 | 3,233E-05 | 1190 | 1,032E-02 | 2650 | 9,261E-01 | 4150 | 3,905E-02 |
| 300 | < 1,0E-05 | 600 | 3,920E-01 | 900 | 3,719E-05 | 1200 | 1,224E-02 | 2700 | 9,218E-01 | 4200 | 2,110E-02 |
| 310 | < 1,0E-05 | 610 | 2,994E-01 | 910 | 5,030E-05 | 1250 | 2,586E-02 | 2750 | 9,096E-01 | 4250 | 1,416E-02 |
| 320 | 7,415E-05 | 620 | 2,184E-01 | 920 | 4,952E-05 | 1300 | 4,890E-02 | 2800 | 8,624E-01 | 4300 | 1,306E-02 |
| 330 | 1,574E-02 | 630 | 1,509E-01 | 930 | 6,534E-05 | 1350 | 8,439E-02 | 2850 | 7,781E-01 | 4350 | 1,346E-02 |
| 340 | 1,447E-01 | 640 | 1,002E-01 | 940 | 8,100E-05 | 1400 | 1,324E-01 | 2900 | 7,003E-01 | 4400 | 1,236E-02 |
| 350 | 3,866E-01 | 650 | 6,391E-02 | 950 | 9,477E-05 | 1450 | 1,953E-01 | 2950 | 6,400E-01 | 4450 | 9,979E-03 |
| 360 | 5,939E-01 | 660 | 3,912E-02 | 960 | 1,248E-04 | 1500 | 2,655E-01 | 3000 | 5,905E-01 | 4500 | 7,775E-03 |
| 370 | 7,185E-01 | 670 | 2,310E-02 | 970 | 1,384E-04 | 1550 | 3,426E-01 | 3050 | 5,454E-01 | 4550 | 6,476E-03 |
| 380 | 7,901E-01 | 680 | 1,336E-02 | 980 | 1,873E-04 | 1600 | 4,175E-01 | 3100 | 5,027E-01 | 4600 | 6,340E-03 |
| 390 | 8,295E-01 | 690 | 7,552E-03 | 990 | 2,146E-04 | 1650 | 4,899E-01 | 3150 | 4,626E-01 | 4650 | 8,118E-03 |
| 400 | 8,554E-01 | 700 | 4,483E-03 | 1000 | 2,823E-04 | 1700 | 5,594E-01 | 3200 | 4,268E-01 | 4700 | 1,303E-02 |
| 410 | 8,740E-01 | 710 | 2,369E-03 | 1010 | 3,353E-04 | 1750 | 6,200E-01 | 3250 | 3,957E-01 | 4750 | 2,161E-02 |
| 420 | 8,890E-01 | 720 | 1,335E-03 | 1020 | 4,468E-04 | 1800 | 6,742E-01 | 3300 | 3,700E-01 | 4800 | 3,292E-02 |
| 430 | 9,016E-01 | 730 | 7,666E-04 | 1030 | 5,325E-04 | 1850 | 7,188E-01 | 3350 | 3,495E-01 | 4850 | 4,615E-02 |
| 440 | 9,125E-01 | 740 | 4,521E-04 | 1040 | 6,468E-04 | 1900 | 7,658E-01 | 3400 | 3,339E-01 | 4900 | 6,232E-02 |
| 450 | 9,226E-01 | 750 | 2,747E-04 | 1050 | 8,132E-04 | 1950 | 7,954E-01 | 3450 | 3,245E-01 | 4950 | 8,366E-02 |
| 460 | 9,312E-01 | 760 | 1,741E-04 | 1060 | 1,044E-03 | 2000 | 8,219E-01 | 3500 | 3,205E-01 | 5000 | 1,085E-01 |
| 470 | 9,365E-01 | 770 | 1,155E-04 | 1070 | 1,248E-03 | 2050 | 8,448E-01 | 3550 | 3,231E-01 | 5050 | 1,318E-01 |
| 480 | 9,417E-01 | 780 | 8,046E-05 | 1080 | 1,509E-03 | 2100 | 8,596E-01 | 3600 | 3,311E-01 | 5100 | 1,485E-01 |
| 490 | 9,460E-01 | 790 | 5,856E-05 | 1090 | 1,833E-03 | 2150 | 8,797E-01 | 3650 | 3,451E-01 | 5150 | 1,548E-01 |