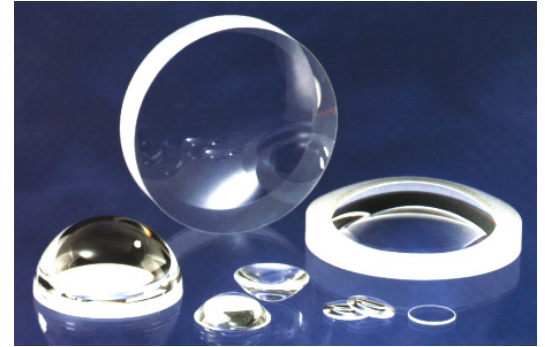


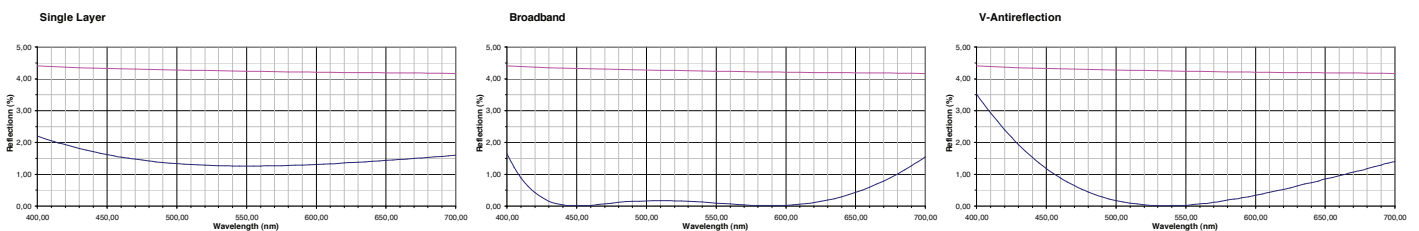
> Anti Reflection Coatings

Antireflection coatings reduce the surface reflexes of light on glasses. Concerning glass with $n = 1,52$ (e.g. optical crown), approximately 8% of the light are reflected at the surfaces.

With antireflection coatings the loss can be reduced to less than 1%. Hence, antireflection coatings are indispensable for effective optics and illumination systems and simultaneously increase the contrast.



> Principle charts for AOI = 0° (blank BK7 for comparison)



> Spectral specifications (standard; others on request):

Single layer antireflection coating

$R < 1,5 \%$ at 550 nm

AOI = 0°

Broadband antireflection coating (multilayer)

$R < 0,5\%$ for 430 nm – 650 nm

AOI = 0°

V- antireflection coating for single wavelength

$R < 0,15\%$ at 535 nm

AOI = 0°

The anti-reflected spectral area can be chosen from between 220 nm up to 1800 nm depending on the task.

Abrasion resistance:

DIN ISO 9211-4 severity level 03 (rubber test)

Adhesive strength:

DIN ISO 9211-4 severity level 02 (sticky tape test)

Thermal endurance:

Up to 300°C with appropriate glass substrate (e.g. borosilicate glass) at constant warming