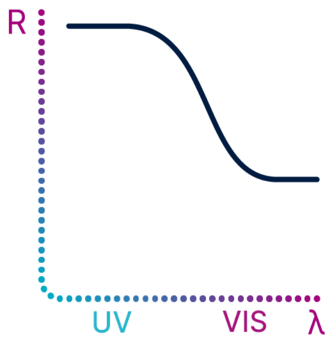
Ultraviolet-Filter (UV-Filter)

UV filters can be used to filter ultraviolet radiation in a targeted manner. They can be "blocked" by means of UV blockers or specifically let through or transmitted with the help of UV transmitters. It is even possible to filter certain spectral ranges and allow UV-A radiation to pass through while UV-B is blocked. At Bte Born, we manufacture UV filters that are specifically adapted to the requirements and the desired spectral ranges of the application.



Applications

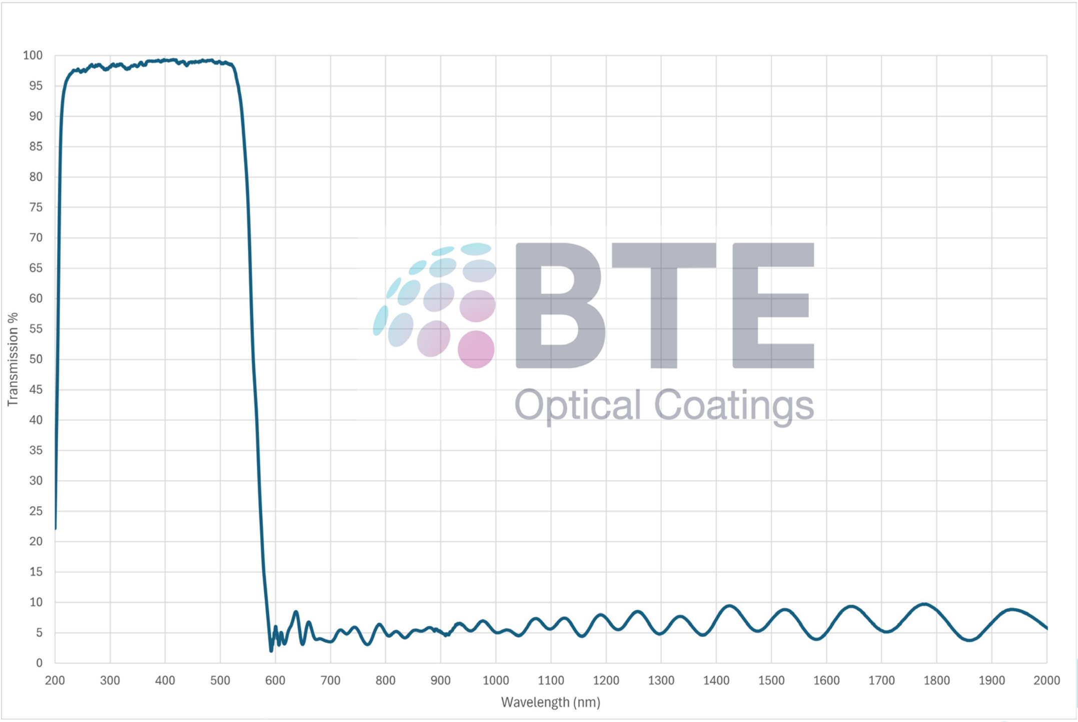
UV curing (printing machines), solar simulation systems (testing photovoltaic modules), display production, wellness/lifestyle

Substrates

Depending on the application, glass (borosilicate glass), thermally toughened glass (ESG), glass ceramic, quartz and metals

Principal Curve (exemplary)

Coldlight-UV-Reflector, UV-R 220-450 nm, AOI = 45°



Type designation (examples)

UV-R, R>90% in the UV range; additional attenuation of the VIS and IR range possible
UV-T, T>90% in thje UV-range

Other specifications on customer request.

Consistency (for example)

Abrasion: DIN ISO 9211-1-04
Adhesive strength: DIN ISO 9211-2-03
Moist heat: DIN ISO 9211-5-03
Temperature: over 200°C

Further on request.

Do you need other specifications?

Don‘t hesitate to contact us:

sales@bte-born.de

Principal Curve (exemplary)

UV transmitter: UV-T 390 nm, AOI = 0°