

## Laser protection window, filter - 0195, dimensions 100 x 200 mm, thickness 3.1 mm

### Product information:

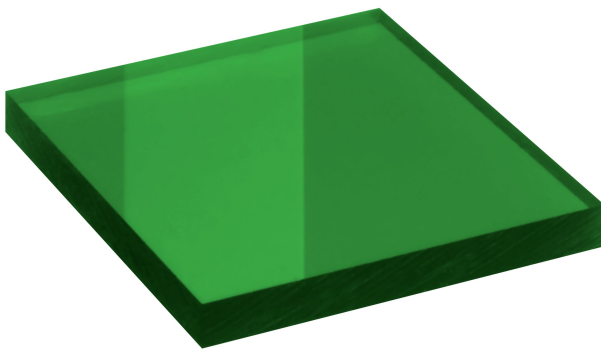
**Item no.:** 100-K0195-100x200

**Application:** Justierung (EN 208) Diode (450 nm) Diode (480 nm) He:Ne (633 nm) Diode (650 nm) Ruby (694 nm) , VLT (Visible light transmission): 25 %

**Filter color:** green

**Filter material:** special plastic

Laser protection window made of special green plastic suitable for Diode (630 – 660 nm), He:Ne (633 nm) and adjustment (EN 208) lasers



### Qualified protection levels according to EN 12254

| Wavelengths | Protection levels     |
|-------------|-----------------------|
| • 180-315   | D AB7 + IR AB2 (OD7+) |
| • >315-430  | D AB6 (OD6+)          |
| • >430-435  | D AB5 (OD5+)          |
| • >435-440  | D AB4 (OD4+)          |
| • >450-460  | D AB2 (OD2+)          |
| • 600-630   | D AB1 (OD1+)          |
| • >630-700  | D AB2 (OD2+)          |
| • >700-720  | D AB1 (OD1+)          |
|             | PF S CE               |

## Specified protection according to EN 60825-4 (power densities):

| Wavelength [nm] | Test class | Max. resistance time $t_{\max}$ [s] | Power density [kW/m <sup>2</sup> ] |
|-----------------|------------|-------------------------------------|------------------------------------|
| 315 - 460       | T2         | 110                                 | 40                                 |

## Properties:

**Laser protection windows** enable your employees to safely observe the processes in a laser system. Regardless of whether you want to integrate the laser protection windows in machine enclosures or in movable walls, we offer you the right, tested protection for your laser system, for your laser equipment and for your laser application. Depending on the desired protection level or window size, you can choose between windows made of glass or plastic. In addition to a variety of standard sizes, custom cuts are also possible thanks to our in-house production.

The **laser safety filter 0195** is suitable for protection in the visible wavelength range from 600 nm. This includes **HeNe (633 nm)**, **Diodes (650 nm)** and **Ruby (694 nm) lasers**. This filter can also be used for alignment work in the **630-700 nm** range for lasers with a maximum power of **100 mW**. The laser safety filter consists of a green filter made of special plastic and offers a visual light transmission (VLT) of 25% and a low filter thickness. The laser safety filter is **qualified** according to **EN 12254**.

- dimensions 100 x 200 mm
- also available in the standard size **210 x 297** mm and maximal size **1000 x 1500** mm
- other customized sizes available on request
- suitable **window frames** available on request



For a perfect and safe cleaning of this filter we recommend this **cleaning spray**.

