

Laser protection window, filter - 0256, dimensions 100 x 200 mm, thickness 4.0 mm

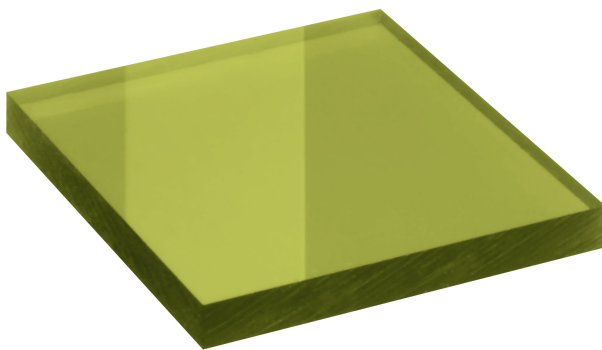
Product information:

Item no.: 100-K0256-100x200

Application: Excimer (193 nm) UV (248 nm) Diode (450 nm) Diode-Nd:YAG (800-1064 nm)
Yb:YAG/Scheibe (1030 nm) Faser (976 – 1080 nm) , VLT (Visible light
transmission): 54 %

Filter color: green

Filter material: special plastic



Laser protection window made of special green plastic suitable for Excimer (193 nm), UV (248 nm), Diode (450 nm), Diode-Nd:YAG (800-1064 nm), Yb:YAG/Disc (1030 nm) und Fiber (976 – 1080 nm) lasers

Qualified protection levels according to EN 12254

Wavelengths	Protection levels
• 180-315	D AB7 + IR AB2 (OD10+)
• >315-439	DIR AB5 (OD7+)
• >439-445	DIR AB5 (OD8+)
• >445-452	DIR AB4 (OD4+)
• >452-460	DIR AB2 (OD2+)
• >460-470	DIR AB1 (OD1+)
• 720-745	DIRM AB2 (OD2+)
• >745-765	DIRM AB3 (OD3+)
• >765-780	DIRM AB4 (OD4+)
• >780-790	DIRM AB5 (OD5+)
• >790-805	DIRM AB6 (OD6+)
• >805-815	D AB6 + IRM AB7 (OD7+)
• >815-1080	D AB6 + IR AB7 + M AB8 (OD8+)
• >1080-1085	DIRM AB6 (OD6+)
• >1085-1095	DIRM AB5 (OD5+)
• >1095-1100	DIRM AB4 (OD4+)
• >1100-1110	DIRM AB3 (OD3+)
• >1110-1130	DIRM AB2 (OD2+)
	PF CE

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

Wavelength [nm]	Test class	Max. resistance time $t_{\max}$ [s]	Power density [kW/m ²]
805-1085	T3	15	550
805-1085	T2	105	97

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 **0256 laser protection filter** is particularly suitable as laser protection for powerful **Excimer (193 nm)**, **UV (248 nm)**, **Diode (450 nm)**, **Diode-Nd:YAG (800-1064 nm)**, **Yb:YAG/Disc (1030 nm)** and **Fiber (976 – 1080 nm) lasers**. However, other wavelengths are also covered by the filter. The laser safety filter is made of a special green plastic and has a daylight transmission of approx. 54% at low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

- dimensions 100 x 200 mm
- also available in the standard size **210 x 297** mm and maximal size **1000 x 1800** 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**.

