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

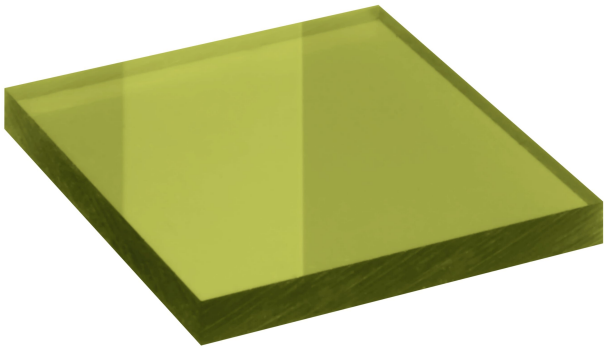
Product information:

Item no.: 100-K0256-100x200

Application: Excimer (193 nm) UV (248 nm) Diode-Nd:YAG (800-1064 nm) Yb:YAG/Scheibe (1030 nm) Fiber (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

Datenblatt

PROTECT LASERSCHUTZ GMBH
Ihre Sicherheit. Unser Auftrag!
Your Safety. Our Concern!

Qualified protection levels according to EN 12254

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

Datenblatt

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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 wavelenghts 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, general tolerances according to DIN ISO 2768-1, Table 1 - m
- PROTECT STANDARD for visual defects of laser protective windows
- 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.