Laser protection window, filter - 0356, dimensions 810 x 950 mm, thickness 3.0 mm

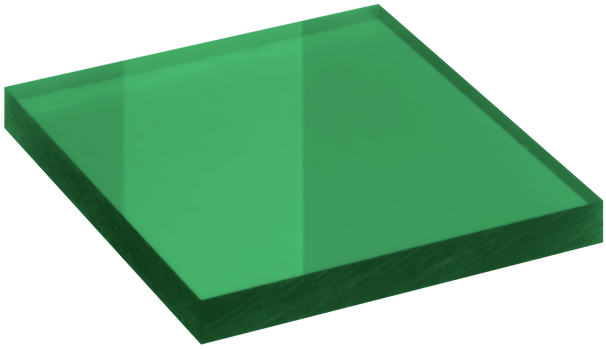
Product information:

Item no.: 100-K0356-810x950

Application: Excimer (193 nm) UV (248 nm) Nd:YAG 4x (266 nm) Nd:YAG 3x (355 nm) Diode (450 nm) Diode (630 – 660 nm) He:Ne (633 nm) Ti:Sapphire (800 nm) Diode-Nd:YAG (800-1064 nm) Yb:YAG/Scheibe (1030 nm) Fiber (976 – 1080 nm) , VLT (Visible light transmission): 13 %

Filter color: green

Filter material: special plastic



Laser protection window made of special green plastic, suitable for Excimer (193 nm), UV (248 nm), Nd:YAG 4x (266 nm), Nd:YAG 3x (355 nm), Diode (450 nm), Diode (630 – 660 nm), He:Ne (633 nm), Ti:Sapphire (800nm), Diode-Nd:YAG (800-1064 nm), Yb:YAG/Disc (1030 nm) and Fiber (976 – 1080 nm)

Datenblatt

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Qualified protection levels according to EN 12254

Protection levels	Wavelengths
D AB8 + IR AB3 (OD10+)	• 180-315
DIR AB5 (OD10+)	• >315-400
DIR AB5 (OD7+)	• >400-430
DIR AB5 (OD5+)	• >430-440
DIR AB4 (OD4+)	• >440-445
DIR AB3 (OD3+)	• >445-450
DIR AB2 (OD2+)	• >450-455
DIR AB2 (OD2+)	• >583-593
DIR AB3 (OD3+)	• >593-605
DIR AB4 (OD4+)	• >605-612
DIR AB5 (OD6+)	• >612-618
DIR AB5 (OD8+)	• >618-623
DIR AB5 (OD10+)	• >623-665
DIR AB4 (OD4+)	• >665-670
DIR AB2 (OD2+)	• >670-677
DIR AB1 (OD1+)	• >677-685
DIR AB1 (OD1+)	• >715-745
DIR AB2 (OD2+)	• >745-770
DIR AB3 (OD3+)	• >770-790
DIR AB4 (OD4+)	• >790-807
DIR AB5 (OD5+)	• >807-825
DIR AB6 (OD6+)	• >825-835
D AB6 + IRM AB7 (OD7+)	• >835-855
D AB6 + IR AB7 + M AB8 (OD8+)	• >855-875
D AB6 + IR AB7 + M AB9 (OD9+)	• >875-892
D AB6 + IR AB7 + M AB10 (OD10+)	• >892-1057
D AB6 + IR AB7 + M AB8 (OD8+)	• >1057-1065
DIRM AB6 (OD6+)	• >1065-1074
DIRM AB5 (OD5+)	• >1074-1082
DIRM AB4 (OD4+)	• >1082-1090
D AB2 (OD2+)	• >9000-11000
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 **0356 laser protection filter** is particularly suitable as laser protection for powerful **Excimer (193 nm)**, **UV (248 nm)**, **Nd:YAG 4x (266 nm)**, **Nd:YAG 3x (355 nm)**, **Diode (630 – 660 nm)**, **He:Ne (633 nm)**, **Ti:Sapphire (800 nm), Diode-Nd:YAG (800-1064 nm)**, **Yb:YAG/Scheibe (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 blue special plastic and has a daylight transmission of approx. 13% at low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

- dimensions 810 x 950 mm, general tolerances according to DIN ISO 2768-1, Table 1 - c
- PROTECT STANDARD for visual defects of laser protective windows
- also available in the standard size 100 x 200 mm, 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.