

Laser protection window, filter - 0205, dimensions 100 x 200 mm, thickness 3.5 mm

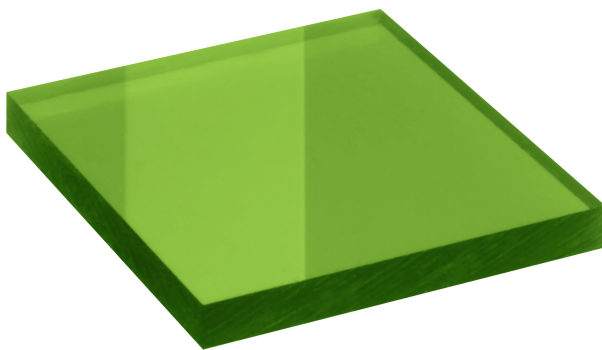
Product information:

Item no.: 100-K0205-3-100x200

Application: UV (248 nm) Nd:YAG 4x (266 nm) Ti:Sapphire (800 nm) Diode (940 – 980 nm)
Yb:YAG/Scheibe (1030 nm) Nd:YAG (1064 nm) Faser (976 – 1080 nm) Telecom
(1320 nm) , VLT (Visible light transmission): 34 %

Filter color: green

Filter material: special plastic



Laser protection window made of special green plastic suitable for UV (248 nm), Nd:YAG 4x (266 nm), Ti:Saphir (800 nm), Diode (940 – 980 nm), Yb:YAG/Scheibe (1030 nm), Nd:YAG (1064 nm), Fiber (976 – 1080 nm), Telecom (1320 nm) lasers

Qualified protection levels according to EN 12254

Wavelengths	Protection levels
• 180-315	D AB8 + IR AB3 (OD10+)
• >315-355	DIR AB5 (OD10+)
• >355-360	DIR AB5 (OD8+)
• >360-365	DIR AB5 (OD7+)
• >365-370	DIR AB5 (OD6+)
• >370-430	DIR AB5 (OD5+)
• >430-450	DIR AB4 (OD4+)
• >450-460	DIR AB3 (OD3+)
• >460-475	DIR AB2 (OD2+)
• >475-490	DIR AB1 (OD1+)
• 765-805	DM AB2 + IR AB2Y (OD2+)
• >805-840	DM AB3 + IR AB3Y (OD3+)
• >840-870	DM AB4 + IR AB4Y (OD4+)
• >870-900	DM AB5 + IR AB5Y (OD5+)
• >900-940	DM AB6 + I AB6Y + R AB5Y (OD6+)
• >940-985	D AB6 + I AB6Y + R AB5Y + M AB7 (OD7+)
• >985-1020	D AB6 + I AB6Y + R AB5Y + M AB8 (OD8+)
• >1020-1050	D AB6 + I AB6Y + R AB5Y + M AB7 (OD7+)
• >1050-1070	DM AB6 + I AB6Y + R AB5Y (OD6+)
• >1070-1105	DM AB5 + IR AB5Y (OD5+)
• >1105-1165	DM AB4 + IR AB4Y (OD4+)
• >1165-1725	DM AB3 + IR AB3Y (OD3+)
• >1725-1795	DM AB2 + IR AB2Y (OD2+)
• 9000-11000	D 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]
900 – 1070	T3	12	550

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 **0205 laser protection filter** is particularly suitable as laser protection for powerful **UV (248 nm)**, **Nd:YAG 4x (266 nm)**, **Ti:Saphir (800 nm)**, **Diode (940 – 980 nm)**, **Yb:YAG/Disc (1030 nm)**, **Nd:YAG (1064 nm)**, **Fiber (976 – 1080 nm)** and **Telecom (1320 nm) lasers**. However, other lasers are also covered by the filter. The laser safety filter is made of a special green plastic and has a daylight transmission of approx. 34% with a 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 **915 x 1220 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**.

