

Laser protection window, filter - 0202, dimensions 210 x 297 mm, thickness 4.0 mm

Product information:

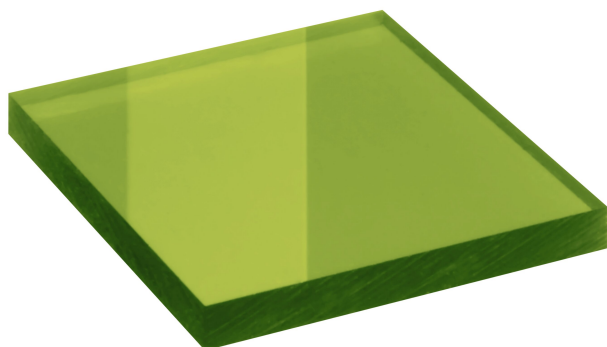
Item no.: 100-K0202-4-210x297

Application: Nd:YAG (1064 nm) Fibre (1080 nm) Diode (940 – 980 nm) Yb:YAG/Scheibe (1030 nm) , VLT (Visible light transmission): 35 %

Filter color: yellow-green

Filter material: special plastic

Laser protection window made of special green plastic suitable for Diode (900 – 1400 nm), Yb:YAG/Disc (1030 nm), Nd:YAG (1064 nm) and Fiber (976 - 1080 nm) lasers



Qualified protection levels according to EN 12254

Wavelengths	Protection levels
• 180-315	D AB8 + IR AB3 (OD10+)
• >315-370	DIR AB5
• >370-380	DIR AB5 (OD7+)
• >380-395	DIR AB5 (OD6+)
• >395-440	DIR AB5 (OD5+)
• >440-455	DIR AB4 (OD4+)
• >455-465	DIR AB3 (OD3+)
• >465-480	DIR AB2 (OD2+)
• >480-495	DIR AB1 (OD1+)
• >685-755	D AB1 + IR AB1Y (OD1+)
• >755-800	D AB2 + IR AB2Y (OD2+)
• >800-830	D AB3 + IR AB3Y (OD3+)
• >830-852	D AB4 + IR AB4Y (OD4+)
• >852-872	D AB5 + IR AB5Y (OD5+)
• >872-892	D AB6 + IR AB6Y (OD6+)
• >892-905	D AB6 + I AB7Y + R AB6Y (OD7+)
• >905-930	D AB6 + I AB7Y + R AB6Y (OD8+)
• >930-975	D AB6 + I AB7Y + R AB6Y (OD9+)
• >975-1100	D AB6 + I AB7Y + R AB6Y (OD10+)
• >1100-1120	D AB6 + I AB7Y + R AB6Y (OD9+)
• >1120-1140	D AB6 + I AB7Y + R AB6Y (OD8+)
• >1140-1155	D AB6 + I AB7Y + R AB6Y (OD7+)
• >1155-1185	D AB6 + IR AB6Y (OD6+)
• >1185-1215	D AB5 + IR AB5Y (OD5+)
• >1215-1400	D AB4 + IR AB4Y (OD4+)
• >1400-1735	D AB2 (OD3+)
• >2930-2990	D AB2 (OD3+)
• >2990-3000	D AB2 (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]
872 – 1185	T3	28	550
872 – 1185	T2	105	130

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 **0202 laser protection filter** is particularly suitable as laser protection for powerful **Diode (900 - 1400 nm)**, **Yb:YAG/Disc (1030 nm)**, **Fiber (976 - 1080 nm)** and **Nd:YAG (1064 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. 35% with a low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

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

