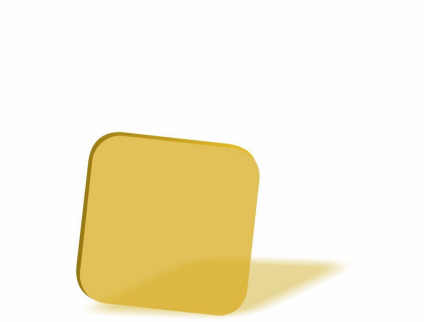
laservision

laser safety window P1P20 (6mm)

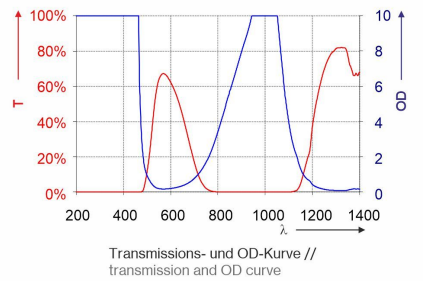


Highlights

The laser protection window type P1P20 made of polycarbonate consists of a light gold-colored, absorbent plastic with a scratch-resistant coating and a thickness of 6mm. The laser protection is based on absorption of the laser radiation in the material itself. The window has a daylight transmission of approx. 52% and has a very good visual brightness and good color vision. The laser safety window laservision P1P20 is certified according to the current EN 60825-4 and has protective limit radiation (SGB) for 105s (test class T2): 10600W / m².

Articlenumber: 000P1P202601
GTIN: 4050369051409
Unit: 1 Stück
Weight incl. packaging 0,14 kg
Weight excl. packaging: 0,14 kg

Filtercurve



Transmissions- und OD-Kurve //
transmission and OD curve

COATING:	Anti-scratch on both sides
COLOUR:	gold
FILTER MATERIAL:	Plastic
FILTER TECHNOLOGY:	Absorption filter
FILTER THICKNESS:	6mm
PROTECTION CLASS / NORM:	EN 60825-4
PROTECTION RANGE:	near infrared, visible, ultraviolett
VLT (APPROX.):	52%
VISUAL BRIGHTNESS:	Very good
COLOUR RECOGNITION:	Good

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WAVELENGTH	OD	OPERATING MODE / TESTED PROTECTION LEVEL
180 - 315	(OD10+)	D LB10 + IR LB4 + M LB6Y
>315 - 462	(OD8+)	D LB7 + IR LB8 + M LB8Y
>462 - 466	(OD6+)	DIRM LB6
800 - <830	(OD3+)	DIRM LB3
830 - <850	(OD4+)	DIRM LB4
850 - <880	(OD5+)	DIRM LB5
880 - <910	(OD6+)	DIRM LB6
910 - <940	(OD7+)	DIRM LB7
940 - <955	(OD8+)	D LB7 + IR LB8 + M LB8Y
955 - <975	(OD9+)	D LB7 + IR LB8 + M LB8Y
975 - 1035	(OD10+)	D LB7 + IR LB8 + M LB8Y
>1035 - 1045	(OD9+)	D LB7 + IR LB8 + M LB8Y
>1045 - 1055	(OD8+)	D LB7 + IR LB8 + M LB8Y
>1055 - 1064	(OD7+)	DIRM LB7
>1064 - 1075	(OD6+)	DIRM LB6
>1075 - 1084	(OD5+)	DIRM LB5
>1084 - 1095	(OD4+)	DIRM LB4
>1095 - 1105	(OD3+)	DIRM LB3
5180 - 14700	(OD10+)	DI LB5 + R LB3Y

DIN EN 60825-4

200-469nm | 102 kW/m^2 | T2 | t_{max} = 105s
850-1084nm | 102 kW/m^2 | T2 | t_{max} = 105s
4700-25000nm | 102 kW/m^2 | T2 | t_{max} = 105s

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OD

Wavelength (nm)	OD
180 - 458	(OD10+)
>458 - 462	(OD8+)
>462 - 466	(OD6+)
800 - <830	(OD3+)
830 - <850	(OD4+)
850 - <880	(OD5+)
880 - <910	(OD6+)
910 - <940	(OD7+)
940 - <955	(OD8+)
955 - <975	(OD9+)
975 - 1035	(OD10+)
>1035 - 1045	(OD9+)
>1045 - 1055	(OD8+)
>1055 - 1064	(OD7+)
>1064 - 1075	(OD6+)
>1075 - 1084	(OD5+)
>1084 - 1095	(OD4+)
>1095 - 1105	(OD3+)
5180 - 14700	(OD10+)