

Laser Barrier Curtain | YL-2200

RoHS

YL-2200 gives protection against the direct irradiation of high power laser at all wavelengths. It is suitable for the safety measure of laser processing and laboratory. It is environment improvement product; carbon fiber is used as material.

- Protection against unexpected laser hazard such as scattering light
- Class 4 and high power laser compatible; no penetration against 1000W 100sec irradiation, refer to the test result below
- 4 eyelets, available for being hooked on the pipe of dark room
- Connectable design; hook and loop fastener at the both end
- EN12254: 2010 certificated
- Flame-proof qualified by Japan Fire and Disaster Prevention Association



Guide

- ▶ Only listed size is available

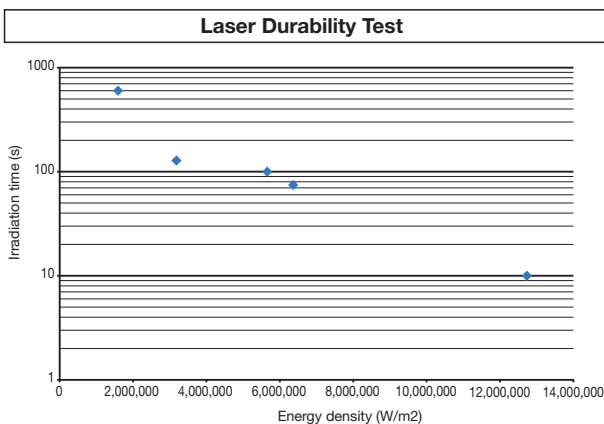
Attention

- ▶ Since this product is made by flame-proof carbon fiber and aluminum laminated material, it cannot be resized by cutting.

Specifications

Part Number	Dimension [mm]	Weight [kg]
YL-2200	Approx. 1,800 × 900	Approx. 3.0

Laser durability test result



100 sec direct irradiation of laser to the Laser Barrier Curtain and check the penetration.

Method: Irradiation test, EN12254:2010
 YAG laser (1064 nm)
 Continuous irradiation test, continuous wave laser: 100 sec, pulse laser: 1000 pulse

CW	$3.2 \times 10^{-6} \text{ W/m}^2$ (100W)	No penetration after 100 sec
CW	$3.8 \times 10^{-6} \text{ W/m}^2$ (295W)	No penetration after 100 sec
CW	$5.7 \times 10^{-6} \text{ W/m}^2$ (1000W)	No penetration after 100 sec
Pulse	$9.3 \times 10^{-4} \text{ 4J/m}^2$ (7.3J)	No penetration after 1000 pulse

*1. Test beam diameter should be larger than 2mm, as per EN12254
 *2. Test beam diameter: 20mm

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