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Exclusive Distributor for
 Nitto Jushi Kogyo Co. Ltd.
 Manufacturers of **CLAREX®**

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Clarex Laser Scanner Filter

CLAREX Laser Scanner Filter is designed to maximize transmit of 630 ~ 670nm for laser scanner. The surface is treated with special Anti-Reflection (AR) coating to prevent reflection and increase transmission. Additional coatings prevent surface scratching and smudging.

Features:

- Excellent Reflection Prevention (Under 0.5% at 550nm).
- Outstanding Light Transmission (Over 98%).
- Smudge Resistant.
- Excellent Surface Hardness (6~8H Pencil Hardness).
- Isotropic Transmission (Non Birefringence).
- Light Weight (Half Weight of Inorganic Glass).
- Available in wide range of thickness (0.3~5.0mm).
- Available in any transmission and colour to meet any applications.

Available Sizes and Thickness:

Type	Size	Available Thickness
With AR	310 x 380mm	5.0mm, 4.0mm, 3.0mm, 2.0mm, 1.5mm, 1.0mm, 0.8mm, 0.5mm, 0.4mm, 0.3mm
Without AR	400 x 550mm	5.0mm, 4.0mm, 3.0mm, 2.0mm, 1.5mm, 1.0mm, 0.8mm, 0.5mm, 0.4mm, 0.3mm

Please contact us if you require another thickness or size.

Physical Properties:

PROPERTIES	METHOD	UNIT	VALUE
Specific Gravity	ASTM D-792		1.19
Elongation	ASTM D-638	%	5
Flexural Rupture Strength	ASTM D-790	kg/cm ²	800
Heat Distortion Temperature	ASTM D-648	°C	110
Maximum Recommended Continuous Temperature		°C	80
Coefficient of Thermal Expansion	ASTM D-696	cm/cm/°C	7 x 10 ⁻⁵
Hot Resistance	80°C x 100hr		No Change
Cold Resistance	-40°C x 100hr		No Change
Humid Resistance	40°Cx90%x100hr		No Change
Thermal Cycle	-40°C ⇔ 80°C (10 cycles)		No Change
Sunshine Weather Meter	100 hr		No Change
Pencil Hardness			6H ~ 8H
Shed Water (Touch Angle)			114°

Chemical Resistance:

REAGENT	CHANGE IN APPEARANCE
Isopropyl Alcohol	No Change
Soap Aqua Solution	No Change
Water	No Change
Sulfuric Acid	Dissolved
Sodium Carbonate	Dissolved



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Grades Available:

- MHA2100 Flat N-565 Red : For 630nm Laser Scanner
- MHA2100 Flat N-205 Red : For 670nm Laser Scanner

Transmission and Reflection Curves:

