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

Weatherall Equipment & Instruments Ltd.
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Clarex Anti-Reflection (AR) Filter

CLAREX AR COAT FILTER is treated with a multi-layer AR coating which prevents light reflection. Additional coatings prevent surface scratching and smudging. It may also be combined with Non-Glare (AG) mat surface.

Features:

- Excellent Reflection Prevention (Under 0.5% at 550nm).
- High 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:

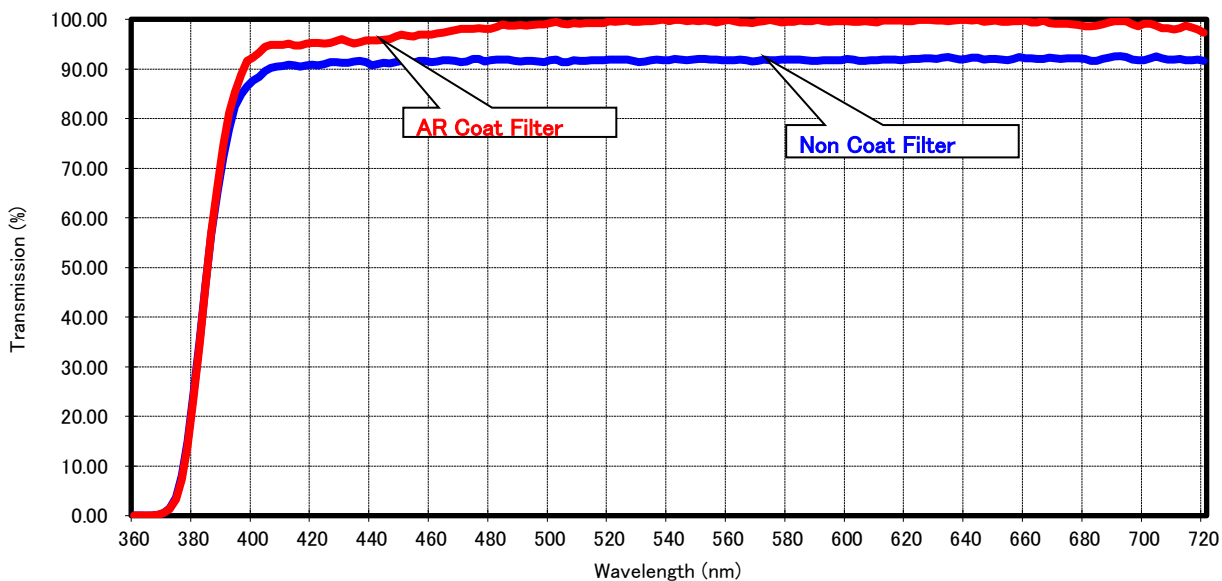
Size	Available Thickness
310 x 380mm	5.0mm, 4.0mm, 3.0mm, 2.0mm, 1.5mm, 1.0mm, 0.8mm, 0.5mm, 0.4mm, 0.3mm

Please contact us if you require another thickness or size.

Applications:

- Anti-Reflection Front Panel for LCD, CRT, LED, OELD, PDP, VFD, FED
- Bar Code Scanner, etc

Transmission Comparison Between Un-Coated and AR Coated Filter:





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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% \times 100hr		No Change
Thermal Cycle	-40°C \leftrightarrow 80°C (10 cycles)		No Change
Sunshine Weather Meter	100 hr		No Change
Pencil Hardness			6H ~ 7H
Shed Water (Touch Angle)			114°

Product No.	Colour Tone	Transmission	Reflection
MHA2100 Flat 001	Clear	98%	under 0.5% at 550nm
MHA2100 Flat N-2902	Grey Smoke	80%	under 0.5% at 550nm
MHA2100 Flat N-298	Grey Smoke	70%	under 0.5% at 550nm
MHA2100 Flat N-119	Grey Smoke	63%	under 0.5% at 550nm
MHA2100 Flat N-157	Grey Smoke	50%	under 0.5% at 550nm
MHA2100 Flat N-159	Grey Smoke	41%	under 0.5% at 550nm
MHA2100 Flat N-217	Grey Smoke	31%	under 0.5% at 550nm
MHA2100 Flat N-127	Grey Smoke	23%	under 0.5% at 550nm
MHA2100 Flat N-205	Red	17%	under 0.5% at 550nm
MHA2100 No.1 001	Clear	97%	under 0.5% at 550nm

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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MHA2100 001 1.0t Reflectance, Transmittance(%)

