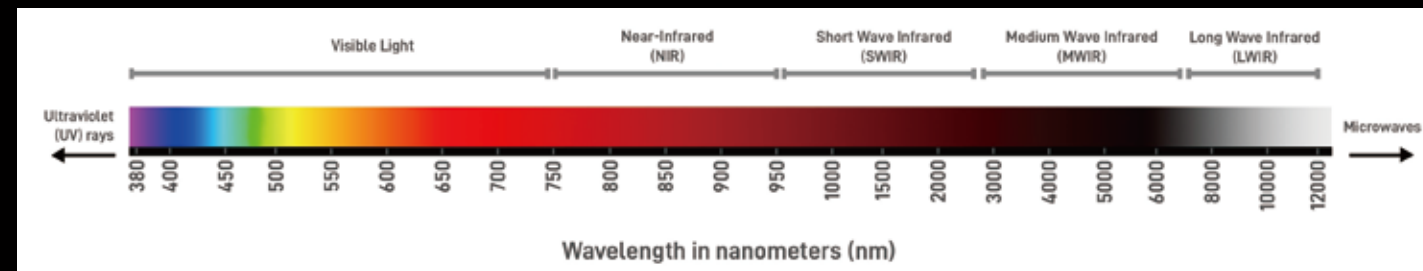


PRODUCT SPECIFICATIONS

Light Absorption Rates

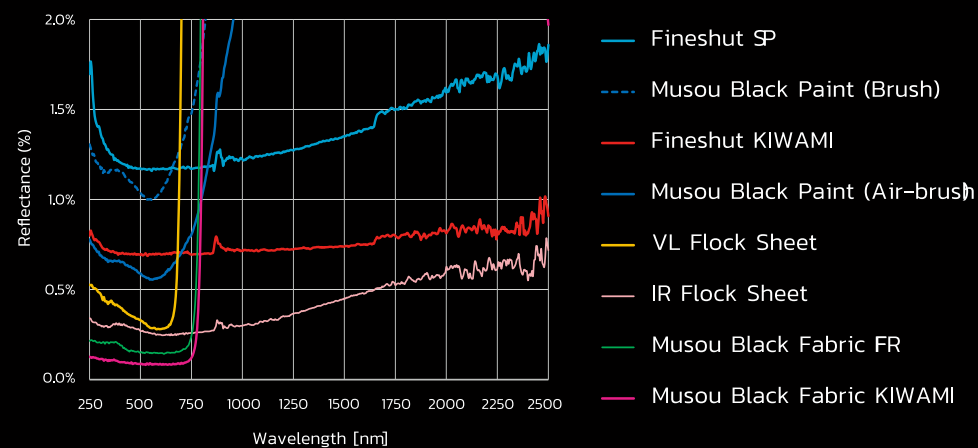
Product Name	UL 250nm	VL 550nm	N-IR 950nm	N-IR 1500nm
Fineshut SP	98.3%	98.8%	98.8%	98.6%
Fineshut KIWAMI	99.2%	99.3%	99.3%	99.3%
VL Flock Sheet	99.5%	99.7%	90.0%	56.3%
IR Flock Sheet	99.7%	99.7%	99.7%	99.5%
Musou Black Fabric FR	99.8%	99.9%	53.4%	77.3%
Musou Black Fabric KIWAMI	99.9%	99.9%	66%	81%
Musou Black Paint (brush coating)	98.7%	99.0%	96.5%	82.4%
Musou Black Paint (air-brush coating)	99.2%	99.4%	98%	89.3%

*These numbers are averaged



TOTAL HEMISPHERICAL REFLECTANCE RATES (AOI 8°)

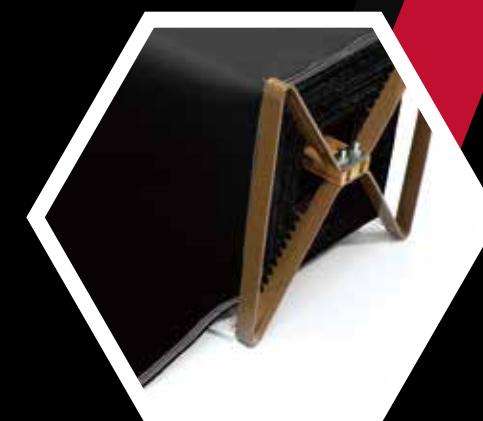
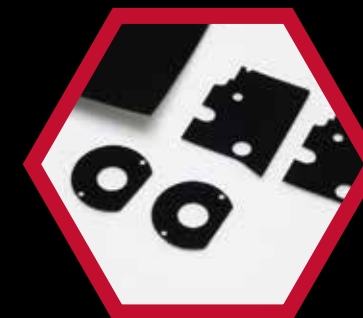
[Visible and Near-Infrared Light Ranges]



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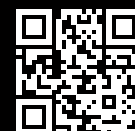
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A KOYO ORIENT JAPAN CO., LTD. BRAND
2-3-2 AZUMACHO, AGE0, SAITAMA, JAPAN 362-0031

We are passionate towards the joy of creation through manufacturing and supporting anyone that shares the same passion. We offer the following services to bring original products of your design to fruition. Our factory is equipped with the proper machinery to offer high-quality services. We have no MOQ and will be more than happy to provide services starting at the quantity of 1. Please feel free to contact us with any questions you may have and we will support you all the way.

CUSTOM-CUTTING



LASER-CUTTING

We provide custom cutting services using a laser-processing or die-cutting machine. Laser-cutting is recommended for supporting smaller lots and prototype parts with short delivery times. Shipment is possible on the same day at the earliest. All we require is a drawing of the part and we can design the laser-cutting data for an additional fee.



DIE-CUTTING

Die-cutting is recommended for larger lots and for the cleanest possible cuts. We will be happy to assist in the procurement and storage of custom dies. The lead-time for producing custom dies is usually 1 week.

OTHERS



LAMINATION

Other than the 2 double-sided tapes that we offer, we can laminate our products with the tape of your choice. If the requested tape is available in Japan, then we will be happy to assist in the procurement process on your behalf.



APPLICATION

If you are looking for something that is ready to use right from delivery, then we will be happy to assist in applying our materials onto base parts. We kindly ask you to ship the base parts to our factory. Application is usually done by hand with the right tools for precision.

PAINTS



MUSOU BLACK PAINT

- The World's Blackest Paint for VL absorption
- Water-based
- Easily applicable by paintbrush or airbrush



FABRICS



MUSOU BLACK FABRIC KIWAMI

- The World's Blackest Fabric for VL absorption
- Rayon-based fabric
- Backcoated & Non-Backcoated variants available



MUSOU BLACK FABRIC FR

- The Blackest and Fire-Resistant solution for VL absorption
- Rayon-based fabric
- Certified by US, EU, CA, and JP fire-safety standards



VL FLOCK SHEET

- The most Cost-Efficient solution for VL absorption
- Rayon-based fabric
- Adhesive-backed variant available



IR FLOCK SHEET

- The Blackest solution for NIR absorption
- Rayon-based fabric
- Adhesive-backed variant available

FOAMS



FINESHUT KIWAMI XX

- Omni-directional light absorption
- No particulate generation
- Custom-cutting available



FINESHUT KIWAMI

- Perpendicular light absorption
- No particulate generation
- Custom-cutting available



FINESHUT SP 0.2/0.4

- Omni-directional light absorption
- No particulate generation
- Custom-cutting available

