

Heat-Transfer Films

■ Products Guidance

Glass Bead Retro-Reflective material performs the most effective reflection, and its reflection is stronger even at wider angle than any other materials. The reflective materials employed with a Heat-Transfer Films will enhance the visibility of clothing and shoes in the night time. Its superb flexibility and hand will last under frequent washing. It is also good for slitting, cutting, and screen printing.

■ Application

• Workwear • Vest • Shoes • Bag • Hat • Glove • Emblem • Logo

■ Product Introduction

Article No.	Color		Reflective Side Liner Adhesive Side Liner	Reflectivity	Anti-Blacken	High Visibility
	Color	Reflection		Initial Average		
MR-3501FS	Silver	Clear	— Paper(Yellow)	500		◎
MR-3501NS	Silver	Clear	— —	500		◎
MR-3501NSC	Silver	Clear	Polyester Film —	500		◎
MR-3501S	Silver	Clear	Polyester Film Polyethylene	500		◎
MR-3531NS	Silver	Clear	— —	500	◎	◎
MR-3531P Soft	Silver	Clear	— Paper(Yellow)	500	◎	◎
MR-3591S FR	Silver	Clear	Polyester Film Polyester Film	500		◎
MT-3501 White	White	Clear	Polyester Film Polypropylene	100	—	—
MTK-3504 Flu.Orange	Fluorescent Orange	Clear	Polyester Film Polypropylene	100	—	◎
MTK-3505 Flu.Yellow	Fluorescent Yellow	Clear	Polyester Film Polypropylene	100	—	◎
MTK-3514 Flu.Red-Orange	Fluorescent Red-Orange	Clear	Polyester Film Polypropylene	100	—	◎
MTK-3504FP FR Flu.Orange	Fluorescent Orange	Clear	Polyester Film Polypropylene	100	—	◎
MTK-3505FP FR Flu.Yellow	Fluorescent Yellow	Clear	Polyester Film Polypropylene	100	—	◎
MTK-3514FP FR Flu.Red-Orange	Fluorescent Red-Orange	Clear	Polyester Film Polypropylene	100	—	◎

• For Sports

TR-3501M Stretch	Silver	Clear	Polyester Film —	350		
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• For Inkjet-Printable

UR-3531UD Inkjet-Printable	Silver Printing Color	Clear Printing Color	Paper(Yellow)	250	◎	(Washable)
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■ Washing

Domestic Washing	Wash	Dry-Clean	Bleach	Dry	Iron
ISO6330					
6 N					

Domestic Washing	Wash	Dry-Clean	Bleach	Dry	Iron
ISO6330					
4 N					

Domestic Washing	Wash	Dry-Clean	Bleach	Dry	Iron
JIS L 1930					

■ Washing · Width & Length

Product	Washing			Width&Length	Heat Lamination		
	ISO 6330		JIS L 1930		Temperature (°C)	Pressure (g/cm ²)	Time (seconds)
	6N	4A					
MR-3501FS	○		○	1,000mm×45m/Roll	130	400	30
MR-3501NS	○		○	1,000mm×45m/Roll	130	400	30
MR-3501NSC	○		○	1,000mm×45m/Roll	130	400	30
MR-3501S	○		○	1,000mm×45m/Roll	150	400	30
MR-3531P	○		○	1,000mm×45m/Roll	130	400	30
MR-3591S	○		○	1,000mm×45m/Roll	150	400	30
MT-3501	○		○	1,000mm×45m/Roll	130	400	30
MTK-3504	○		○	1,000mm×45m/Roll	130	400	30
MTK-3505	○		○	1,000mm×45m/Roll	130	400	30
MTK-3514	○		○	1,000mm×45m/Roll	130	400	30
MTK-3504FP	○		○	1,000mm×45m/Roll	150	400	30
MTK-3505FP	○		○	1,000mm×45m/Roll	150	400	30
MTK-3514FP	○		○	1,000mm×45m/Roll	150	400	30

TR-3501M		○	○	1,000mm×45m/Roll	130	400	30
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UR-3531UD	○		○	980mm×30m/Roll	130	400	30
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■ Product Storage

Please keep in a cool place in well-ventilated shade. Please use the product within one year after receipt also.
or keep it
to the horizontal hanging by inserting the pipe into the paper core tube of products.

■ Notes

Technical information, advice and data in this catalog is accurate by the prescribed method, but do not mean any guarantee its accuracy and integrity.
Any loss and injury by using a misuse or unsuitable application to the guideline or product does not belong to the seller or manufacturer.
Users have to determine whether the intended use will meet the guidelines or the product before using the product, and take its responsibility and risk associated with it.

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【PRECAUTIONS FOR USE “UNITIKA SPARKLITE”】

- ★ Since causing discoloration of reflective material when surface is allowed to stand in a wet state by water, oil and sweat. When stuck, shall be cleaned by neutral detergent and wash it away by water promptly and dry.
- ★ Store in cool dark area and use it within one year after date of receipt.
Return partially used rolls to original shipping cartons or suspend horizontally through the roll core.
Cut pieces should be stored flat.
- ★ Shall be cleaned under designated condition and through proper washing test at user’ s site and use in best condition.
- ★ Durability of “UNITIKA SPARKLITE” reflective material, in a typical lifetime of garments which has our products, and designed to retain reflectivity.
Reflective performance defer from usage, storage condition and maintenance.
Be sure to test in advance and confirm whether materials meet user’ s desired condition.

【UNITIKA SPARKLITE SILVER COLOR REFLECTIVE MATERIAL】 – MEASURE FOR STAIN, DIRT, DISCOLORATION –

- ★ Shall be evaluate previously whether reflective materials are to be able to endure to user’ s purpose.
 - ★ Shall be check in-line process enough during produce experimentally under same manufacturing process.
 - ★ Appearance change will be occurred by chemical change when contact to acid or alkaline substances.
If contact them, shall be cleaned by neutral detergent and wash it away by water promptly and dry.
 - ★ Should not leave in a water contained detergent long time.
 - ★ Ironing, according to specified instruction, we recommend put a suitable cloth on the surface of reflective material.
 - ★ In process, shall be considered for special care to surrounding environment and should be stored avoiding more than 30℃ of temperature, more than 65% of humidity.
 - ★ When fold and overwrap products with reflective material, shall be insert protector paper between reflective material and textile.
 - ★ Open-Type reflective material, shall be treated wearing gloves as possible.
- ※ Anti-blacken processing – It’ s for prevent the surface from discoloring when contact oil, sweat etc in process. It should not purpose for discoloration by/after washing.

【IMPORTANT NOTICE TO USER】

The matters mentioned in this text, technical data and recommendation should not guarantee its accuracy or integrity. Because of the variety of factors that can affect the use and performance of “UNITIKA SPARKLITE” reflective material, user is solely responsible for evaluating the product and determining whether it is fit for particular purpose and suitable for user’ s method of application. We will not be liable for any loss and damage caused by user. We may solely bear responsibility for quality defect confirmed by supplier. In that case, we will change the products only.

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