

Technical Datasheet

Description

GLODIAN™ reflective tape is designed for use on all types of high visibility safety apparel. The retroreflective garment tape has a sealed outer surface.

Complies with the requirements for retroreflective tape in accordance with ANSI/ISEA 107:2010 Level 2 & EN ISO

20471:2013 Separate photometric performance.

Product Construction

GLODIAN™ reflective tape consists of a smooth surface, high gloss, abrasion microprismatic retroreflective layer. The tape can be sewn and/or high frequency welded.

The following products have certificates available for ANSI/ISEA 107:2010 American National Standard for High-Visibility Safety Apparel and Accessories and EN ISO 20471:2013 European Safety Apparel.

Reflectivity

GLODIAN™ reflective tape exceeds the minimum reflectivity requirements of ANSI/ISEA 107:2010 Level 2 & EN ISO

20471:2013 Separate performance. Typical coefficients or retroreflection for GLODIAN™ reflective tape are provided in Table 1.

Product Approvals

EN ISO 20471:2013 / ANSI/ISEA 107:2010

Test certificates for garment acquisition are available upon request.

Table 1, Tape Specification

Product Code	Color	Typical R_A^1	Minimum R_A^2	ANSI 107	EN ISO 20471	Wash Cycles at 60°C (140°F)	Dry Cleaning Cycles
TRG-501	White	500	330	O	O	75	
TRG-502	Fluorescent Yellow	450	330	O	O	75	
EFT-501 (TPU)	White	450	330	O	O	75	50
EFT-502 (TPU)	Fluorescent Yellow	350	330	O	O	75	50
PGT-501	White	500	330	O	O	75	
PGT-502	Fluorescent Yellow	450	330	O	O	75	
PFT-501 (TPU)	White	500	330	O	O	75	50
PFT-502 (TPU)	Fluorescent Yellow	450	330	O	O	75	50
PGT-FB	Silver	500	330	O	O	75	
PFT-FB (TPU)	Silver	500	330	O	O	100	50
AGT-01	White	450				75	
AGT-02	Fluorescent Yellow	350				75	
AGT-FB	Silver	500				100	
ECO-PF (TPU)	Silver	500				100	
RGT ³	Various Color	Commercial					

1. R_A measured by Reflomap on new product at +5.0° entrance, 0.2° observation angles.

2. ANSI 107 minimum coefficient of retroreflection. R_A measured by Reflomap on new product at +5.0° entrance, 0.2° observation angles.

3. Available colors: Yellow, Fluorescent Orange, Orange, Fluorescent Red, Red, Blue, Fluorescent Pink, Magenta. The reflectivity of those colors is not guarantee.

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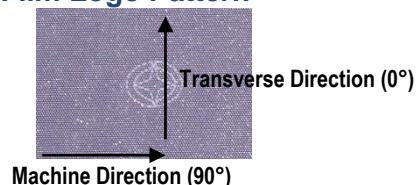
Reflomap reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

Table 2, Ordering Information

Product Code	Color	Roll Width	Standard Roll Length	Roll per Box	Weight per Carton Kgs / Lbs
TRG-501	White	1", 2" (25.4 mm, 50.8 mm)	100m	6	18.5 / 40.78
TRG-502	Fluorescent Yellow	1", 2" (25.4 mm, 50.8 mm)	100m	6	18.5 / 40.78
EFT-501 (TPU)	White	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
EFT-502 (TPU)	Fluorescent Yellow	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
PGT-501	White	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
PGT-502	Fluorescent Yellow	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
PFT-501 (TPU)	White	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
PFT-502 (TPU)	Fluorescent Yellow	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
PGT-FB	Silver	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
PFT-FB (TPU)	Silver	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
AGT-01	White	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
AGT-02	Fluorescent Yellow	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
AGT-FB	Silver	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
ECO-PF (TPU)	Silver	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
RGT ³	Various Color	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68

3. Available colors: Yellow, Fluorescent Orange, Orange, Fluorescent Red, Red, Blue, Fluorescent Pink, Magenta. The reflectivity of those colors is not guarantee.

Film Logo Pattern



Application Instructions

Whenever two or more pieces of GLODIAN™ reflective material are used together on a single surface or as a set, they should be matched to ensure uniform color and reflectivity. All safety garments should be constructed in accordance with ANSI/ISEA 107 or other prevailing standard.

Shelf Life

The product must be used within one year from the shipment date. All rolls including partially used be stored in original packaging, tightly wound. Store in a clean and dry area, away from direct sunlight.

Storage

Store in a cool (4 to 32°C, 39 to 90°F), dry area (less than 70% relative humidity) and use within 2 years after date of receipt. Store rolls in their original shipping cartons. Partially used rolls should be returned to their shipping carton.

Performance

While use of Reflomap™ GLODIAN™ Reflective Material enhances visibility, no reflective material can guarantee absolute visibility, particularly in adverse weather conditions or unusually harsh wear conditions. Performance will vary depending upon actual use, exposure conditions, and proper cleaning/maintenance. The GLODIAN™ reflective material product portfolio offers a range of product attributes, and users should test the reflective material on their finished garments to satisfy conformance to their own requirements.

Reflomap™ recommends that all customers, in accordance with good manufacturing practices, establish an ongoing quality system which includes maintaining lot/roll identification throughout the garment production process. Customer should also store input materials and final products in accordance with manufacturer recommendations, as well as implement continuous testing throughout their production and on their finished garments that reflects their garment needs.

Care Instruction

GLODIAN™ reflective tape when washed in accordance with ANSI/ISEA 107:2010 & EN ISO 20471:2013 will withstand a minimum of 50 to 75 washings at 60°C (140°F) when attached to a variety of background materials.

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Microprismatic Reflective Tape

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Machine Wash, 60°C (140°F), Use neutral detergent or Non phosphate detergent



Do not Bleach



Do not Iron

IMPORTANT NOTICE

Technical data can be changed with product improvement. The above data are the average of test results at the normal test condition. While the use of reflective material does greatly enhance visibility, no reflective material can assure absolute visibility, particularly in adverse weather conditions. Performance will vary depending upon actual use, exposure conditions and maintenance. Users should test reflective material to satisfy conformance to their own requirement.

All GLODIAN™ products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning GLODIAN™ products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of GLODIAN™ products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

WARRANTY

No warranty is given for purposes other than those listed in the Technical Datasheet or which are not processed according to Reflomap's processing and handling instructions. Please refer to the full warranty document available at www.reflomap.com for detailed information.

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