



## Specifications

### Introduction

REFLOMAX GLODIAN™ reflective tape is a soft, flexible sewn-on glass beaded microsphere reflective apparel tape, which is designed to use for all types of high visibility safety garment. REFLOMAX complies with the requirements for retroreflective tape in accordance with ANSI/ISEA 107:2010 & EN ISO 20471 photometric performance.

### Certificates

EN ISO 20471:2013 / ANSI/ISEA 107:2010  
Test certificates for reflective tape are available upon request.

### Composition

GLODIAN™ reflective tape is composed of wide-angle, exposed retroreflective lenses bonded to a sewable fabric backing.

### Reflectivity

GLODIAN™ TRG, EFT, PGT series fully meet the minimum reflectivity requirements of EN ISO 20471:2013 separate performance, when having a test at rotation angle = 0° or 90° in accordance with the procedures in EN ISO 20471:2013. Typical coefficients of retroreflection are as shown in Table 1.

**Table 1** Tape Specifications

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

1. R<sub>A</sub> measured by Reflomax on new product at +5.0° entrance, 0.2° observation angles.

2. ANSI 107 minimum coefficient of retroreflection. R<sub>A</sub> measured by Reflomax 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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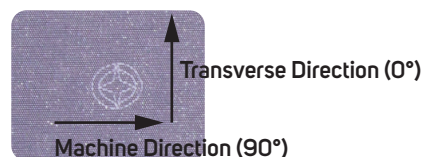
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### Table 2 Ordering Information

Product Code	Colors	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 Fluorescent	1", 2" (25.4 mm, 50.8 mm)	100m	6	18 / 39.68
AGT-02	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 <sup>3</sup>	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 Instruction

### Shelf life

The product should be used within one (1) year from the factory date. All rolls including those partially used should be stored in original packaging and tightly wound. Store in a clean and dry place, away from the direct sunlight.

### Instructions for Use

Whenever two or more pieces of GLODIAN™ reflective materials are used in combination on a single surface or as a set, they should be matched to ensure uniform color and reflectivity. All safety garments should be made in accordance with EN ISO20471, or other prevailing standards.

### Performance

The use of REFLOMAX™ GLODIAN™ Reflective Material enhances visibility; however, no reflective material can guarantee absolute visibility, especially under foul weather conditions or unusually tough wear conditions. Product performance will vary from its actual use, exposure conditions, and proper cleaning/maintenance method. The GLODIAN™ reflective materials lineup provides various product properties, and users should test the reflective material on their finished garments to meet their own requirements.

REFLOMAX™ recommends that potential customers set up the quality system in operation, which contains the lot/roll identification maintaining during all garment manufacturing processes, in accordance with GMP (good manufacturing practices). The customers should also store the materials and the complete products in accordance with manufacturer's recommendations, as well as conduct a continuous testing throughout their production process and for their complete products that reflect their garment requirements.



### Cautions

When washed in accordance with ANSI/ISEA 107:2010 & EN ISO 20471:2013, GLODIAN™ reflective tape shall endure minimum 25 to 100 washings at 60°C (140°F) in attaching the tape to various background materials.

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

 Do not Bleach

 Do not Iron



### Important

The specifications are subject to change for upgrading the product. The above data are the average of test results at the normal test condition. The use of reflective material greatly enhances visibility; however, no reflective material can assure absolute visibility, especially under foul weather conditions. Product performance may vary from its actual use, exposure conditions and maintenance. User should test reflective materials to meet the conformance to their own requirements.

All GLODIAN™ products are subject to exhaustive quality control during all manufacturing processes. And they are warranted to be of merchantable quality and free from workmanship defects. Published data concerning GLODIAN™ products are based upon research which the Company believes to be reliable even if such data don't constitute a warranty. Owing to the various uses of GLODIAN™ products and REFLOMAX' continuing development of new applications, the purchaser should carefully take the suitability and performance of the product into account for each intended use. The purchaser shall undertake all risks regarding his/her use. All specifications are subject to change without prior notice.

### Warranty

No warranty is given for the purposes other than those listed in the Specifications Sheet or which are not worked pursuant to REFLOMAX's processing and handling instructions.

Please refer to the full warranty instrument available at [www.reflomax.com](http://www.reflomax.com) for further information.

GLODIAN™ is registered trademark of REFLOMAX Co., Ltd.