

Technical Datasheet

Description

REFLOMAX GLODIAN™ Reflective Film make better visibility effect in daytime, we develop these items using reflective PVC. With their lucid effect as well as high retro-reflection, they are very good for fashion-oriented market. For fashion market, you can use even the backside of it which is not reflective but has more shiny effect. Now some noticeable shoes makers are using this material as one of their main design.

Product Construction

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

Reflectivity

GLODIAN™ reflective film Typical coefficients or retroreflection for GLODIAN™ reflective film are provided in Table 1.

Product Approvals

EN71 Part3 for children's toy regulation, AZO free, RoHS. Test certificates for garment acquisition are available upon request.

Table 1, Film Specification

REFLOMAX GLODIAN™ Reflective Film - High Gloss Products					
Product Code	Available Color	Typical R_A^1	RoHS	Compliance with	Protective film ²
AGR-SPARKLE (PVC)	White	20	<10.0 (Cadmium) <1.0 (Lead)	Commercial	O
AGR-SHINE (PVC)	Silver	20	<10.0 (Cadmium) <1.0 (Lead)	Commercial	O
ENFREN -SPARKLE (TPU)	White	20	Not detected	EN71 Part3 for children's toy regulation/ AZO free	O
ENFREN-SHINE (TPU)	Silver	20	Not detected	EN71 Part3 for children's toy regulation/ AZO free	
AGR-RADIANT (PVC)	Red, Blue	40	<10.0 (Cadmium) <1.0 (Lead)	Commercial	O
ENFREN-RADIANT(TPU)	Red, Blue	40	Not detected	EN71 Part3 for children's toy regulation/ AZO free	O
FGR (PVC) Fabric Backed	White, Fluorescent Yellow	70		Commercial	X

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

2. The release liner on Reflomap reflective film needs to be removed prior to using.

Table 2, Package Information

REFLOMAX GLODIAN™ Reflective Film - High Gloss Products					
Product Code	Available Color	Roll Width	Standard Roll Length	Roll Weight per Carton Kgs / Lbs	Protective film ²
AGR-SPARKLE (PVC)	White	46cm (18")	100m / 109.4yds	17 / 37.48	O
AGR-SHINE (PVC)	Silver	46cm (18")	100m / 109.4yds	17 / 37.48	O
ENFREN -SPARKLE (TPU)	White	46cm (18")	100m / 109.4yds	18 / 39.68	O
ENFREN-SHINE (TPU)	Silver	46cm (18")	100m / 109.4yds	18 / 39.68	O
AGR-RADIANT(PVC)	Red, Blue	45cm (17.7")	50m / 54.6yds		O
ENFREN-RADIANT (TPU)	Red, Blue	45cm (17.7")	50m / 54.6yds		O
FGR (PVC)	White, Fluorescent Yellow	122cm (48")	50m / 54.6yds	20 / 44.09	X

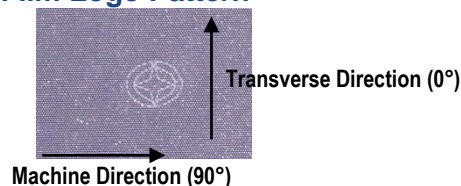
2. The protective film on Reflomap reflective film needs to be removed prior to using

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Film Logo Pattern



Application Instruction

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 1 years after date of receipt. Store rolls in their original shipping cartons. Partially used rolls should be returned to their shipping carton.

NOTE

REFLOMAX GLODIAN™ Reflective Film High Gloss Film is shipped with a polyester liner on top of the vinyl film for easy handling. This polyester liner can be removed either before or after the sealing process and needs to be removed before sewing or screen printing. The film does not require a sealing film to be retroreflective. However, we do recommend the application of a sealing film to keep out dirt and water that can result in decreased reflectivity.

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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