

Product Guidance

REFLOMAX GLODIAN™ RGR Series consist of are around 7,000pcs/cm² of fine micro-prisms which reflect the light to its source.

They appear brilliant when viewed by a driver using vehicle headlights at wide entrance angles. It makes the wearer highly visible in nighttime, foul weather and even in wet condition in which Glass Bead Type reflective material can not be visible.

Highly retroreflective microprisms are formed on flexible, UV-stabilized polymeric film.

REFLOMAX GLODIAN™ RGR Series have a polyester liner on the top of RGR for scratch-proof. This polyester liner can be removed either before or after the high frequency or super sonic welding process, but before sewing or screen printing.

1. Color

12 colors are available and custom colors are also available.

Item	Color	Item	Color
RGR-01	WHITE	RGR-07	RED
RGR-02	F.YELLOW	RGR-08	F.GREEN
RGR-03	YELLOW	RGR-10	SMOKY-BLUE
RGR-04	F.ORANGE	RGR-11	BLUE
RGR-05	ORANGE	RGR-13	F.PINK
RGR-06	F.ORANGE-RED	RGR-14	MAGENTA

2. Reflective Performance

The Retroreflective performance is measured in accordance with the procedure defined in CIE 54:1982. Measures values are averages taken from 0° orientation, apart unless stated differently. The 90° orientation is to be taken as downweb of REFLOMAX supplied rolls.

The values are stated as coefficients of Retroreflection, R_A and the unit is cd/lux/m².

Item	Obs. Angles	Ent. Angles	Typical R _A
RGR-01	0.2°	5°	200
RGR-02	0.2°	5°	150

The above value is based on the initial performance. As RGR series is made with soft prism structure, we do not guarantee the reflective value after shipment

3. Size and Packing

Roll Size : 45cmX50m

Packing : Two roll per one carton box

Weight : 20kg per one box

Standard Box Size : 1,085x235x235mm

SQ.M per Roll : 22.5 m²

4. Heavy Content

Heavy Metal's Content (ENV 1122) : mg/kg,ppm	Test Result
CADMIUM(Cd)	<15.0
Lead(Pb)	<1.0

Element	BS EN71 Part 3		Test Results (mg/kg,ppm)
	Any Toy	Material Modeling Clay	
Antimony(Sb)	65	60	<0.1
Arsenic(As)	25	25	<0.1
Barium(Ba)	1000	250	<5.0
Cadmium(Cd)	75	50	<0.1
Chromium(Cr)	60	25	<0.1
Lead(Pb)	90	90	<0.1
Mercury(Hg)	60	25	<0.1
Selenium(Se)	500	500	<0.1

Note) The sample was extracted by use of 0.07N HCl for 2 Hours at 37 °C

5. Care Instruction



Machine Wash, 60 °C (140 °F)



Do not Bleach



Do not Iron



Do not Dry-Clean

6. Storage

Store in a cool dry area 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

7. Note

- ① Technical data can be changed with product improvement. The above data are the average of test results at the normal test condition.
- ② While the use of reflective material does greatly enhance visibility, no reflective material can assure absolute visibility, particularly in adverse weather conditions.
- ③ Performance will vary depending upon actual use, exposure conditions and maintenance. Users should test reflective material to satisfy conformance to their own requirement.