



High or Low reflective index optical adhesive tape

MGHR/SF/LR Seris

Features

Maycleangel is adhesive sheet based acrylic polymer.

Properties is below

- (1)Excellent transparency
- (2)Excellent adhesive for materials
- (3)The reflective index can be adjusted.

Application Ideas

Optical manegement films -for Display panel

(example : Mobile-phone)

Touchscreens-panel for bonding film and glass laminates

(example : Mobile-phone)

Product properties

Product name	Thickness	Adhesive force(N/25mm)
	mm	Glass
MGLR17.5	0.175	22
MGSF17.5	0.175	22
MGHR17.5	0.175	22

Method

1-1)CONDITIONING

Condition the sample rolls of tape in the standard conditions of $23 \pm 1^{\circ} \text{C}$

1-2)TEST SPECIMENS

The specimen shall be cut to 25mm width with a sharp razor blade.

A 2,040 g \pm 45 g rubber-covered steel roller shall then be passed over the joint once in each direction at the rate of $10 \pm 0.5 \text{ mm/s}$.

1-3) TEST METHOD

Clamp specimen tightly in jaws of tensile tester. Make certain that edges of the sample are parallel with the jaws of the tensile tester.
Pull apart at a speed of 300 mm until the bond separates.

Optical properties

Product name	Transparency ratio	Haze	Reflective index
	%		
MGLR17.5	92(※99)	0.3	1.39
MGSF17.5	92(※99)	0.3	1.475
MGHR17.5	92(※99)	0.3	1.56

1-4) TEST METHOD

Light transmittance : JIS K 7361

Haze : JIS K 7136

※Value excluding interfacial reflection loss

Reliability properties

Physical property	Peel Adhesive	Initial	JIS Z 0237	N/25mm	20	
		After 85°C 85% 250hr			19	
		After -40°C 250hr			20	
Optical property	Total light transmittance	Initial	JIS K 7105	%	92.4	
		After 85°C 85% 250hr			92.4	
	Haze	Initial			0.3	
		After 85°C 85% 250hr			0.3	
	Color difference b*	Initial			Color difference meter	0.2
		After 85°C 85% 250hr				0.3
Light fastness	Initial	JIS Z 8822-1994	%	5.1		
	After 2000hr	Xenon arc lamp light irradiation		6.1		

User is responsible for determining whether the KGK product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a KGK product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a KGK product. Given the variety of factors that can affect the use and performance of a KGK product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the KGK product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

KGK make no warranties on above data.

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issue: Sep/2018