

**WMH582**

**High Shear Double Coated White PVC Tape**

**1. Description**

WMH582 is a double coated tape coated on both sides of a PVC film carrier with an acrylic adhesive. It has strong initial adhesive power, and forms an excellent bond to plastic moulding and metal.

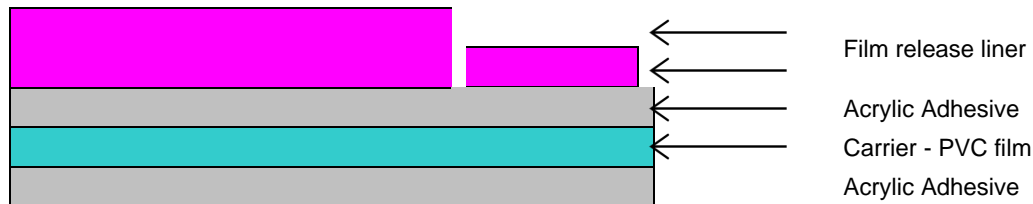
**2. Features**

- 1) Acrylic adhesive coated PVC film
- 2) Strong initial adhesive strength
- 3) Suitable for rough & embossed surface

**3. Application**

- 1) Bonds to plastic moulding & metal materials.
- 2) Bonds to automobile interior panel
- 3) It is good to area inquired strong adhesive strength.
- 4) Bonds to outside mirror for automotive
- 5) Fixing and bonding panels.

**4. Structure**



**5. Standard Size**

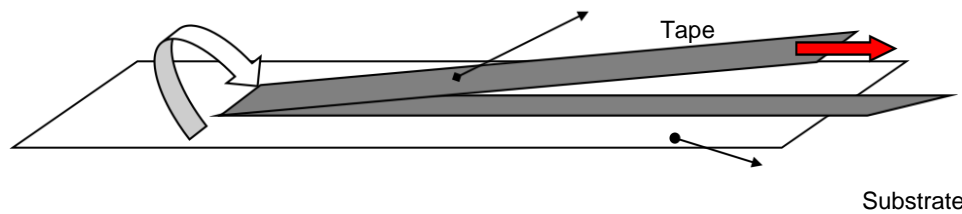
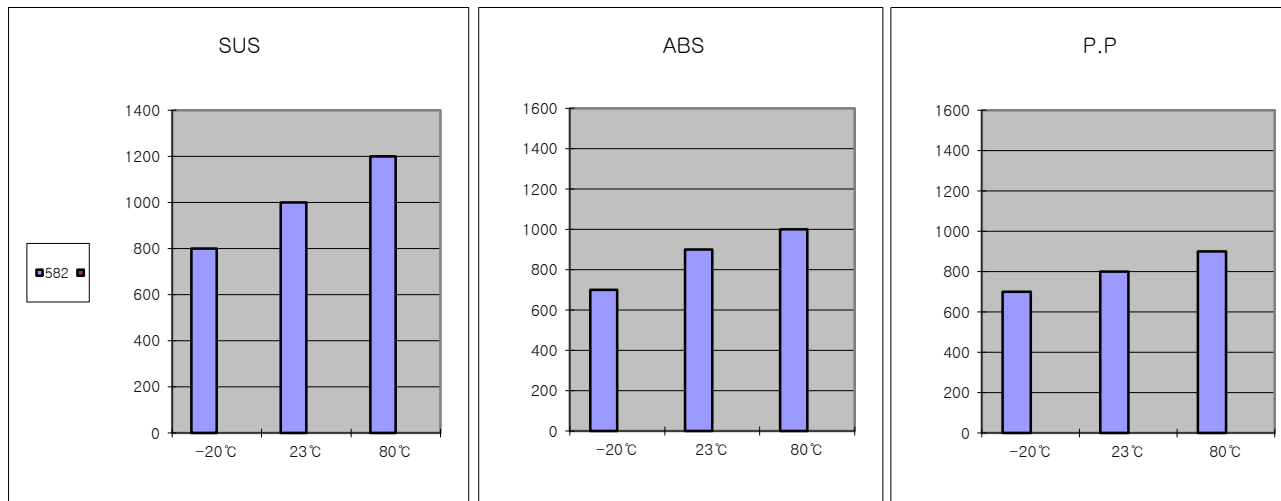
ITEM	THICKNESS(mm)	WIDTH(mm)	LENGTH(M)	LINER
582	0.24	500, 1000	50, 100	Glassine

## 6. Test Method

### 6.1 Adhesion Test

The force required to pull a strip of tape from a surface at 180 degree angle, at the rate of 300±10mm per minute.

ITEM	SUS			ABS			P.P		
	-20°C	23°C	80°C	-20°C	23°C	80°C	-20°C	23°C	80°C
582	800	1000	1200	700	900	1000	700	800	900

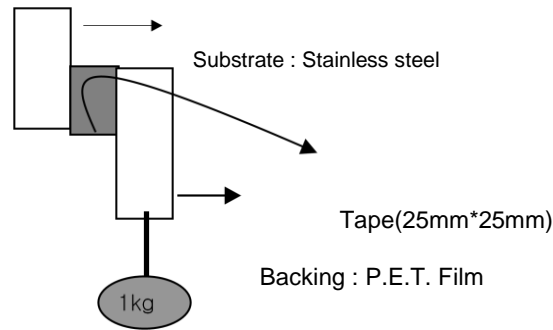


- \* Instrument : Tensile strength tester
- \* Speed : 300±10mm/Min
- \* Tape width : 10mm

6.2 Holding power

The distance is separated from the substrates under 1kg load, for 1 hour at constant temperature.

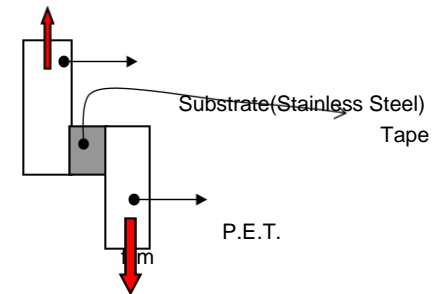
ITEM	-20°C	23°C	80°C
582	0.3	0.5	1



6.3 Tensile Strength test

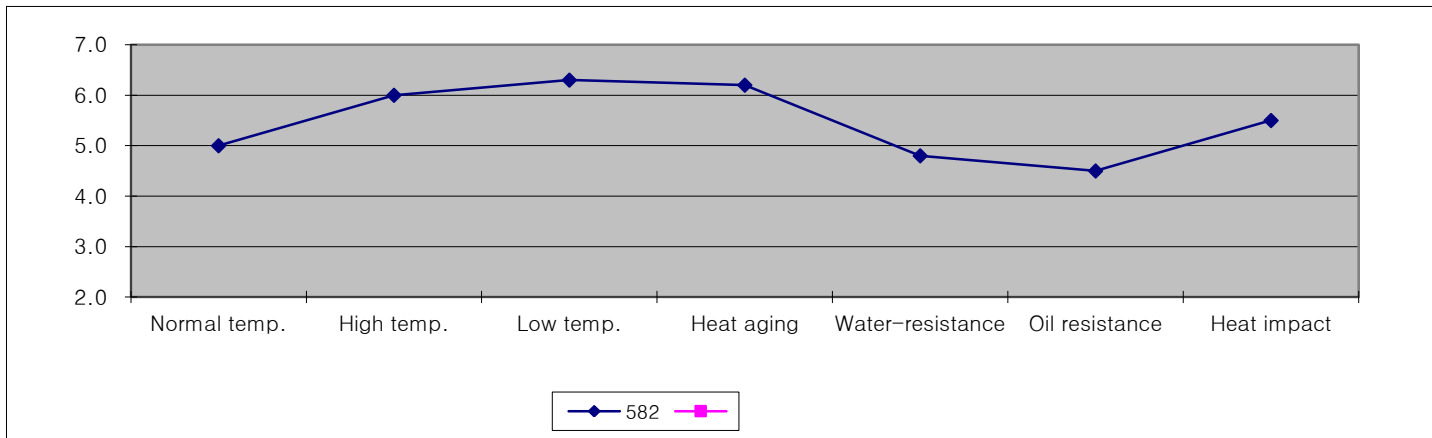
The maximum Tensile force that can be withstood by a material without breaking at the rate of 200±10mm /Min

- 1) Normal stage : 24hrs after adhesion, measure at room temperature
- 2) High temperature aging: 24 hrs after adhesion → Leave 2 hrs at 80°C → measure after 30mins at room temperature
- 3) Low temperature aging : 24hrs after adhesion → Leave 2 hrs at -20°C → measure after 30mins at room temperature
- 4) Heat aging : Leave 240hrs at 80°C and measure after 30mins at room temperature
- 5) Water resistance : 2hrs after adhesion → Deposit at 40°C water for 72hrs → Leave 2hrs at room temperature and measure
- 6) Oil resistance : 2hrs after → Deposit at 40°C machine oil for 72hrs→Leave 2hrs at room temperature and measure
- 7) Heat impact test : 24hrs after adhesion → ( 2hrs at -20°C → 2hrs at 80°C ) x 5 cycles → Measure



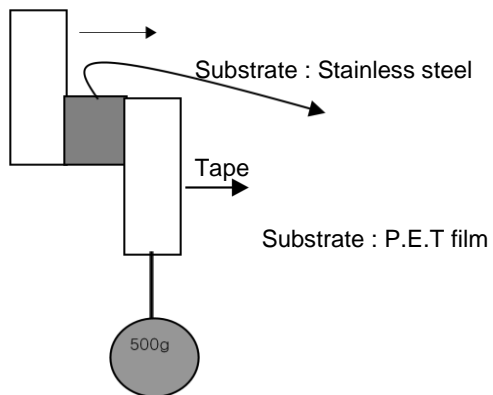
\* Tape width : 10mmx10mm  
\* Backing : polyester film

Item	Normal temp.	High temp.	Low temp.	Heat aging	Water-resistance	Oil resistance	Heat impact
582	5.0	6.0	6.3	6.2	4.8	4.5	5.5



6.6 Heat resistance Test

Measure the temperature that can be separated between two substrates, during increase temperature by 3°C/5mins



Tape size : 20mm x 20mm

Weight : 500g



Item	Result	Remark
582	100°C	

**7. Caution before use**

1. Clean the surface of the substrate before bonding
2. The best application temperature is 18°C to 25°C