

TECHNICAL REPORT

Industrial Adhesive Tape T4000

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Double-Faced Adhesive Tape

T4000 is a double-faced adhesive tape developed for the requirement of strong and permanent bonding. It is a highly selected double-faced adhesive tape with outstanding reliability, having high low-temperature adhesion.

SPECIFICATIONS

Coating amounts (g/m ²)	140-170
Coating thickness (mm)	approx. 0.15
Thickness of release paper (mm)	approx. 0.14

FEATURES

- Excellent in thermal holding strength
- Excellent in low-temperature adhesion
- High bonding strength in the widest temperature range
- No smell
- Outstanding reliability and durability

APPLICATION

T4000 is most suitable for the adhesion to surface decorative sheet, rating plate and escutcheon, etc. made of metal and plastic material for the automobiles and household electric appliances.

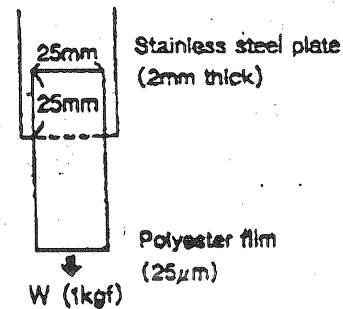
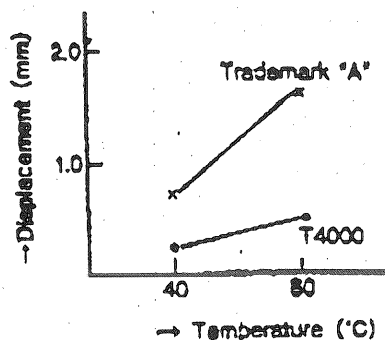
T4000 is also recommendable for use as a double-faced permanent adhesive tape for various substrates.

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SPECIFICATIONS

1. Holding strength at elevated temperatures

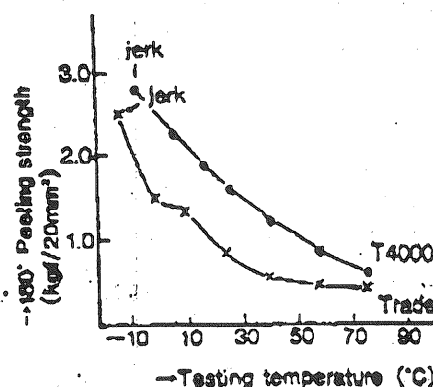
T4000 demonstrates an excellent holding strength even under severe conditions.



Conditions for preparing test pieces
 Temperature : 20°C
 Pressure : 2kgf/cm² (one stroke)
 Conditions for test peeling
 60minutes : 1kgf of loading

2. Temperature change of 180° peeling strength

T4000 provides a high bonding strength at various temperatures



Substrate :
 Polyester film (25μm)
 /stainless steel plate (2mm thick)
 Conditions for preparing test pieces
 Temperature : 20°C
 Pressure : 2kgf/cm² (one stroke)
 Peeling speed : 300mm/min.

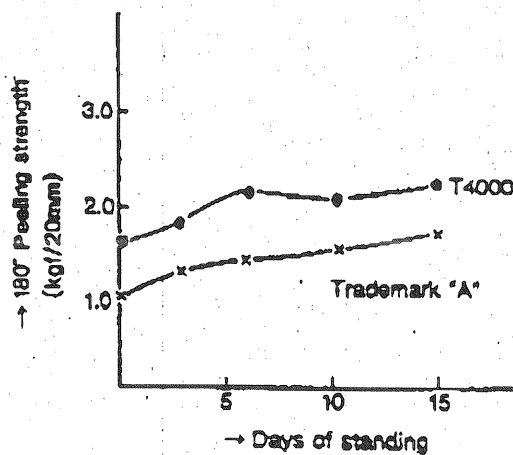
3. Peeling strength after aging

T4000 has excellent thermal aging resistance, and high resistances to moisture, water, oil and weather.

Substrate : Polyester film (25μm)/stainless steel plate (2mm thick)
 Conditions for preparing test pieces :
 Temperature : 20°C
 Pressure : 2kgf/cm² (one stroke)
 Test peeling speed : 300m/m

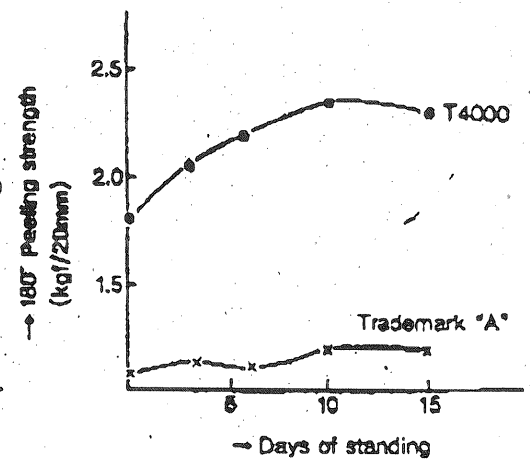
● THERMAL AGING

Standing test in the atmosphere



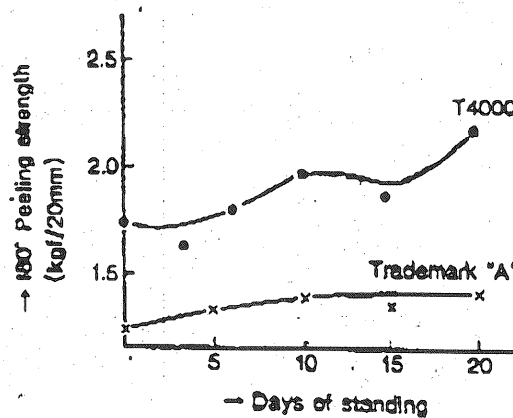
● MOISTURE RESISTANCE

Standing test in the atmosphere of 50°C and relative humidity of 90 %



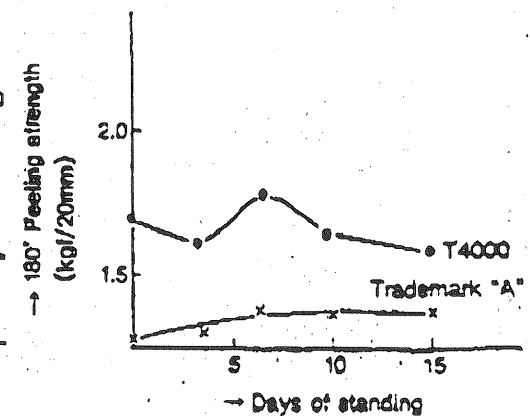
● WATER RESISTANCE

standing test in water at 40°C



● OIL RESISTANCE

Standing test in machine oil at 40°C



● WEATHERING

