TICTAK®621

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Double-side adhesive foam tape

DATA SHEET

Product description

TICTAK®621 is a double-side PE-foam tape. It consists of a highly conformable closed cell PE-foam backing and a high quality acrylic adhesive. It designed for frame mounting according to solar requirement.

- Maximum resistance to ageing, UV, weathering, water and salt.
- Low Moisture vapor permeability
- The high tack offers a reliable bond immediately after application. The high peel and cohesion are the key to a high quality, reliable bonding performance.
- The high dynamic shear resistant offer high frame mounting safety.
- UL certificates available, UL file number E470703

Main application fields

- Solar module frame mounting
- Mounting of small devices and hooks on tiles and smooth walls.
- Mounting of decorative glass or mirror elements on furniture
- Mounting of decorative bars on car

Product construction

Total thickness	approx. 1.0mm
Backing type	closed cell PE foam
Adhesive type	tackified acrylic
Color	black
Tensile strength	1.0MPa
Dynamic shear resistant	0.4MPa
Elongation at break	200%
Liner：	PE or PET

Technical data(ASTM D3330)

Peel adhesion to steel（final）	8.5N/cm*
Peel adhesion to glass（final）	8.5N/cm*
Peel adhesion to AL(final)	7.0N/cm
Peel adhesion to PVDF(final)	6.5N/cm
Peel adhesion to steel（after 3 days）	foam break
Peel adhesion to glass（after 3 days	foam break
Peel adhesion to AL(after 3 days)	foam break
Peel adhesion to PVDF(after 3 days)	foam break

* is foam splitting

Product advantage

Static shear resistant at 23˚C	+++
Static shear resistant at 80˚C	+++
Tack/Rolling ball	+++
UV resistant	+++
Chemical resistant	++
Temperature resistance	85˚C

+++ very good ++ good

Product specification

Width：	According to requirement
Length：	50m or1200-1500m spools

Storage

Adhesive tapes should be stored at room temperature and normal humidity(50-70%)。The storage stability is 12 months after delivery.

Application techniques

- Bond strength is dependent on the amount of adhesive to surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol and water (rubbing alcohol) or water.
- Low temperature will reduce tack. Ideal tape application temperature range is above 10˚C(50˚F).

Note:

The data contained herein are for reference only, and are believed to be typical values and should not be regarded as criteria for checking and accepting. All above data are obtained in TONSAN laboratories in standard conditions; TONSAN can guarantee that they are reliable, but TONSAN can not guarantee that the actual

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