SAMBU
Fine Chemical

Technical Data Sheet

NASA – T1

1. Description

Thermoplastic polyurethane hotmelt film.

2. Characteristics

NASA-T1 is a hotmelt film for laminating(no-sew) various kinds of substrates. It assures the same bonding strength of 20~25% thinner thickness than normal hotmelt film. It would be the most suitable choice for light weight and cost effective purpose.

3. Typical properties

Appearance	Hotmelt/release paper or hotmelt/PE 2 layer
300% Modulus	Appr. 60kgf/cm2
Elongation	> 600%
Tensile strength	> 400kgf/cm2
Width available	47, 54, 55, 56 inch
Melting pt. in DSC	114 ~ 122°C by 2nd scan
Melt Flow Index	8~14 g/10min (177°C, 2.16kgf)

4. Application

NASA-T1 can be used under general laminating condition using hot-press machine. The exact working condition should be taken through some experimentals varying temperature, pressure and time.

<Example condition>
Hot press surface temp. : 130°C
Time : 30~35sec
Pressure : 70kgf/cm2

5. Packaging

Rolls in ordered length.

· HEAD OFFICE
(50888) 167, SEOBU-RO 1637BEON-GIL, JUCHON-MYEON, GIMHAE, 50888 KOREA / TEL : (055) 338-2650 / FAX : (055) 338-2655

6. Storage

Store at a dry and cool place.
Keep it out of sun-light(UV) Without opening the packaging
Shelf life : 12 month after production(Without opening the packaging)

7. Disposal

NASA-T1 is 2-layered product so each layer should be handled separately to recyle.
Hotmelt (Top) layer should be collected and recycled by approved companies and facilities.
Release paper can be treated by local recycling company.
(Do not put into TPU recycling process.)

8. Safety

We consider NASA-T1 does not have serious problem to workers. But be careful when handling rolls because they are very heavy. Please refer to MSDS for more detailed information.

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