SAMBU
Fine Chemical

Technical Data Sheet

NASA - MM

1. Description

Thermoplastic polyurethane hotmelt film.

2. Characteristics

NASA-MM is a low temperature hotmelt film for laminating(no-sew) various kinds of substrates. It assures the excellent bonding strength and stretchable properties. It would be the most suitable choice for stretchable purpose textile lamination.

3. Typical properties

Appearance	Hotmelt/release paper
300% Modulus	Appr. 25kgf/cm2
Elongation	> 800%
Tensile strength	> 200kgf/cm2
Width available	44, 47, 54 inch
Melting pt. in DSC	Broad detection. Please refer Tfb
Tfb	105±5°C
Melt Flow Index	13~23 g/10min (177°C, 2.16kgf)

4. Application

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

<Example condition>
Hot press surface temp. : 115~125°C
Time : 20~30sec
Pressure : 60-70kgf/cm2

5. Packaging

- Rolls in ordered length.

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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-MM is 2-layered product so each layer should be handled separately to recyle. Hotmelt (Top) layer should be collected and recylced. Release paper can be treated by local recycling company.

8. Safety

We consider NASA-MM 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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