

## Technical Data Sheet

# NASA 600

### 1. Description

-Thermoplastic polyurethane hotmelt film.

### 2. Characteristics

- NASA-600 is a hotmelt film for laminating(no-sew) various kinds of substrates. It assures the excellent bonding strength to various substrates. It would be the most suitable choice for general purpose textile lamination.

### 3. Typical properties

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Appearance	Hotmelt/release paper or hotmelt/PE 2 layer
300% Modulus	Appr. 60kgf/cm <sup>2</sup>
Elongation	> 600%
Tensile strength	> 400kgf/cm <sup>2</sup>
Width available	47 inch
Melting pt. in DSC	114 ~ 122°C by 2nd scan
Melt Flow Index	20~24 g/10min (177°C, 2.16kgf)

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### 4. Application

- NASA-600 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/cm<sup>2</sup>

### 5. Packaging

- Rolls in ordered length.

## 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-600 is 2-layered product so each layer should be handled separately to recycle. 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-600 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.