

Technical Data Sheet

NASA - G3

1. Description

Thermoplastic polyurethane hotmelt film.

2. Characteristics

NASA-G3 is a hotmelt film for no-sew adhesion and lamination of various kinds of substrates. It has low melting temperature and high molecular weight. NASA-G3 shows the excellent bonding performance against substrates difficult to bond with conventional TPU hotmelts.

3. Typical properties

Appearance	Hotmelt/release paper, Semi- transparent
Thickness	0.03 ~ 0.20mm
Width available	44, 47, 54inch
Substrate	Polypropylene
Flow beginning temperature	80 ± 5°C
Melt Flow Index	7 ± 5 g/10min (177°C, 2.16kgf)

4. Application

NASA-G3 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. And it can be used for bonding with PU & Epoxy, PC, Acryl plate, etc.

<Example Bonding condition>

Hot press upper/lower plate temp. : 100 ~ 130°C

Time : 10 ~ 15 sec

Pressure : 30 ~ 60 kgf/cm²

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-G3 is 2-layered product so each layer should be handled separately to recycle.

Discharge according to local regulation.

Generally TPU can be 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-G3 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.