

Technical Data Sheet

NASA - LQ

1. Description

Thermoplastic polyurethane hotmelt film.

2. Characteristics

NASA-LQ 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/cm ²
Elongation	> 800%
Tensile strength	> 200kgf/cm ²
Width available	44, 47, 54 inch
Melting pt. in DSC	Broad detection. Please refer Tfb
Tfb	95±5°C
Melt Flow Index	20~30 g/10min (177°C, 2.16kgf)

4. Application

NASA-LQ can be used under low temperature 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. : 105~115°C

Time : 30~35sec

Pressure : 70kgf/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-LQ 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-LQ 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.