

## Technical Data Sheet

# NASA 100 PLUS

## 1. Description

- Thermoplastic, polyolefine-based hotmelt film.

## 2. Characteristics

- NASA 100 PLUS is a hotmelt film for shoe industry. Unlike general TPU hotmelt film, NASA 100 PLUS shows the excellent bonding strength to EVA foam due to its inherent non-polar chemical structure. And also its low viscous behavior help moderate adhesion to polar chemical structure materials like PU foams and textiles.

## 3. Typical properties

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Appearance	Single layer thin film (No release paper)
Thickness	35um, 40um, 50um (Variable)
Width	44 inch (Variable)
Melting pt. in DSC	Broad detection. Please refer Tfb
Tfb	105±5°C
Melt Flow Index	10~20 g/10min (177°C, 2.16kgf)

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## 4. Application

- **NASA 100 PLUS** can be used by hot-pressing process.

This material will be a best practice for the bonding between EVA foam and textiles like in-sole manufacturing.

Working condition in hot-pressing process might be widely varied according to the kind of base materials. So we do not mention the specific condition in this document.

## 5. Packaging

- Rolls in ordered length. Normally, 500meters with 44inch width.

## 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

The scrap of NASA 100 PLUS can be collected and recycled through packing material. On the surface of collecting bag, "NASA 100 PLUS" should be marked because the material type is different from TPU film

## 8. Safety

We consider NASA 100 PLUS 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.