## Ein Bild, das Schrift, Text, Logo, Grafiken enthält. Automatisch generierte Beschreibung

Press release

* **New Polyvel softening agents for PP nonwovens: efficient and cost-effective extrusion of ultra-soft surfaces**
* **Low-dosage masterbatches can be used in a wide range of applications**

*Jork, April 14, 2025*. Nonwoven products made of polypropylene (PP) with extra soft surfaces can now be produced efficiently and cost-effectively with the newly developed softening agents from masterbatch specialist Polyvel.

With an entire product family, the industry-renowned company supports fiber manufacturers and users in producing everyday products from PP nonwovens with a particularly soft feel. As the addition of small doses is sufficient, the masterbatch can be used very efficiently and cost-effectively.

The effects achieved with it range from simple, smooth surfaces to so-called “supersoft” products with an ultra-soft feel reminiscent of natural silk.

**Wide range of applications**

The process aids are suitable for all products with surfaces that are very soft to the touch and have a high-quality appearance. Manufacturers of hygiene textiles in particular rely on them. In addition, they find application in numerous other sectors, including the automotive and furniture industries, medical technology, the processing industry, and the construction sector. If required, Polyvel also offers to optimize the softening agents for customer-specific applications.

Extensive tests by neutral certification and testing laboratories confirm that the additives are also absolutely harmless in contact with human skin, for example in baby diapers. Their use in conjunction with food is equally safe. The processing aids are also PFAS-free and do not contain any substances on the SVHC list (Substance of Very High Concern) of the European Chemicals Agency (ECHA).

**Low dosage in the production of nonwovens**

During extrusion with the help of additive masterbatches such as Polyvel NH-P01, an extremely low dosage from 0.5% is sufficient to achieve PP nonwoven surfaces with a high degree of softness. This means that conventional plasticizers and the chemicals usually associated with them can be dispensed with.

The process aids are introduced during the production of the PP nonwovens. There, they prevent the fabric gels of the fibers from forming a brittle surface with a rough feel after extrusion. Instead, the dissolved additive in the PP nonwoven permanently migrates to the fiber surface. In this way, it creates a unique softness that people appreciate in many products.

**Demand for additives for bioplastics**

Polyvel's product portfolio is wide-ranging and goes far beyond the newly developed softening agents for polypropylene.

Recently, customers have been focusing in particular on additives for processing bioplastics such as polylactide (PLA), which are in demand to add specific technical and functional properties to applications.

**About Polyvel Europe GmbH:**

Since 2012, Polyvel Europe GmbH has been the exclusive distributor of specialty additive masterbatches and customized compounds in thermoplastic applications in Europe.

The distributor, based in Jork near Hamburg, has an extensive distribution network and a modern warehouse in northern Germany, from where it supplies its numerous industrial customers from a wide range of sectors throughout Europe.

In addition to standardized solutions, Polyvel also develops tailor-made products for specific applications.

**Photos:**

Ein Bild, das Person, Im Haus, Hand enthält.

KI-generierte Inhalte können fehlerhaft sein.

Photo 1:

The new Polyvel softening agents for PP nonwovens enable ultra-soft surfaces (Image: Shutterstock, ID no. 2501286425).

Ein Bild, das Kleinkind, Menschliches Gesicht, Baby, Person enthält.

KI-generierte Inhalte können fehlerhaft sein.

Photo 2:

The softening agents are also absolutely harmless in contact with human skin, for example in baby diapers (Image: Shutterstock, ID no. 2531582929).

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