HINDERMANN PRODUCT INFORMATION
DUPONT™ TYVEK® SOFT STRUCTURE

Authorised specialist retailer
The company HINDERMANN GmbH & Co. KG is an authorised retail partner for the Tyvek® material from DuPont™ and can offer you the following Tyvek® Soft Structure Styles as standard ex-works:


Tyvek® Soft Structure ...

....is unique

DuPont™ Tyvek® has stood for breathable, durable, long life and water-resistant films made from 100% high density polyethylene (HDPE) for over 40 years, worldwide. The ‘secret’ of Tyvek® is its special production process, also known as the Flash-Spun-Bond technique. The foil is created through the spinning of very finely woven fibres which are then solidified with the addition of heat and pressure and without chemicals. The result of this sophisticated form of production is a bright, white coloured and supple foil which can offer a surface opacity, anti-static resistance and strength. Tyvek® simultaneously combines the best attributes of paper, foil and textiles – and at just half the weight of other materials with similar levels of resistance. All of the Tyvek® styles offer a high degree of puncture and tear resistance. The special production and the resulting properties makes Tyvek® unique.

....offers the perfect protection

DuPont™ Tyvek® is the only cover solution on the market which is water resistance and breathable. It is exceptionally tear-resistant when either wet or dry. Thanks to its unique fibre structure, its tear resistance is not diminished by kinks or folds. In contrast to materials with natural fibres, it does not absorb any water. This super-strength material is stable and resistant to water, heat, sunlight, chemicals, solvents, environmental soiling and other factors which otherwise cause damage to products. These influences can make surfaces dull and cause serious abrasion damage. Tyvek® has been specially developed in order to prevent the penetration of particles which are bigger than 1 micron. Combining all of these attributes in a single product which provides the highest level of production in all conditions, during transport and during storage, make Tyvek® into the perfect protective solution.
As a medium-sized company, HINDERMANN Plastics Processing is the specialist for flexible and insulating protective covers made from all kinds of films, foils and industrial materials. Since 1949, the company has been developing, producing and supplying product solutions within diverse sectors and industries in the European market (www.hindermann.com).

…convinces with several advantages:

**Breathable**: Tyvek® is completely breathable, keeps valuable works of art free from damage due to moisture and protects vehicles against rust.

**Chemical resistance**: Tyvek® is insensitive to most acids, bases and salts. If it is exposed to oxidising agents such as concentrated nitric acid or sodium per-sulphate, its ability to provide resistance can be reduced.

**Printing**: Many Tyvek® styles have a Korona treatment and are therefore printable.

**Decay and fungal resistance**: Pure Tyvek® does not support the development of fungus or other micro-organisms.

**Limited linting**: Tyvek® consists of endless fibres and does not shed any lint particles under normal conditions. It is therefore suitable for clean rooms.

**Stability of size**: Tyvek® retains its size-stability with a relative air humidity of between 0 and 100%.

**Light-weight**: Tyvek® weighs considerably less than other materials which are of similar resistance. At the same time, it offers an identical or superior performance. Its low weight results in clear savings as it does not add any additional weight to air freight, road or rail transport.

**pH neutral**: Tyvek® had a neutral pH-value of 7.

**Recycling and reuse**: Since Tyvek® only consists of HDPE Tyvek® or products made from Tyvek® can be recycled again into products such as pipes, car parts, blown film, wrapping foil for packaging and flower pots.

**Highly resistant**: Since it is strong and tear-resistant, Tyvek® is suitable for robust applications.

**Temperature range** Tyvek® maintains its physical attributes and flexibility to a temperature of -75°C. Tyvek® begins to shrink at a temperature of 118°C and melts at 135°C. When processing Tyvek® under voltage a temperature of 80°C should not be exceeded.

**Toxicity**: Tyvek®, which is sold by DuPont, has been tested on animals and people for its toxicity and skin tolerability. No toxic reactions were ascertained.

**Washable**: Tyvek® can be washed by hand at up to 30°C, although cleaning products must not be used.

**Water resistance**: Tyvek® is water resistance and therefore offers the best protection: whether it is a product carton which waits outside for collection, or a mobile home which is parked at a camp site.

**Further processing**: Tyvek® is suitable for sewing, gluing, clipping and perforating. It can be processed so that it is free from fraying without any problems. It can also be equipped with eyelets or straps as required.
For further information, samples and price enquiries, please do not hesitate to contact us:

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