

Platilon® H

Schmelzklebefolien | *Thermoplastic Adhesive Films*

Typical Properties

Basic Material			Co-Polyamide	Polyurethane (Ester)	Co-Polyester
Grade			H 2	HU 2	H 5
Properties	Standards/Procedures	Units			
Density	calculated	g/cm ³	1,10*	1,16*	1,27*
Softening range	TMA Onset	°C	≥ 100	≥ 75	≥ 120
	Kofler bench Knife	°C	110-120	90-105	105-120
Temperature stability	empirical	°C	≤ 110	≤ 60**	≤ 90
Appearance	visual	-	transparent	translucent	translucent
Resistance to plasticizer	empirical	-	very good	good	good
Barrier to plasticizer	empirical	-	yes	no	no
Laundry stability	empirical	°C	≤ 60	≤ 40	≤ 80
Chemical dry cleaning	empirical	-	good	limited	good
HF-weldability	empirical	-	very good	very good	good
Proposed glue line temperature	empirical	°C	130	110	140

* Data related to base resin as figures cannot be accurately determined for film. They are intended for informational purposes only.

** For short term temperature load on flat surfaces: 100 – 120°C

These data are provided as general information only. They are approximate values and not intended for use in preparing specifications! Please contact us before writing specifications on this product.

Film formats

Grade	Max. Width (mm)	Weight per area (g/m ²)	Colour	Carrier/Release film (PE)
H 2	1700****	30 - 110	natural	yes***
HU 2	1700****	30 - 110	natural	yes
H 5	1700****	30 - 110	natural	yes***

*** Carrier can be separated upon request at additional charge.

**** Depending on weight per area.


Our "General Conditions of Sale" also apply.

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Our technical advice-whether verbal, in writing or by way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved, it does not release you from the obligation to test products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control, and therefore, entirely your own responsibility.

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epurex films

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Product description

Platilon®H is the trade name for thermoplastic adhesive films made by Epurex Films. The range currently includes films based on:

- Co-Polyamides
- Polyurethanes
- Co-Polyester

Properties

The Platilon®H films have excellent adhesion, high cohesion, good application properties and outstanding mechanical and chemical properties:

- resistance to washing powders and detergents
- non-ageing
- high stability to greases, oils and fuels

This combination of properties opens up a wide range of applications.

Applications

The broad range of Platilon®H hot-melt adhesive films makes the bonding easy to various substrates. Platilon®H is suitable for the production of composite parts for the automotive industry, e.g. headliners, door panels, damping parts etc.

Other bonding applications include:

- insulation industry
- wallpaper industry
- home textiles etc.
- non wovens and foams

Processing

The films can be heat activated by:

- infra-red systems
- flat-bed laminating
- heat and pressure calendaring
- steam activation
- ultrasonic-, thermal impulse- and HF- welding

Advantages over other adhesive systems:

- thermoplastic characteristic, no crosslinking, no pot life limitation
- economical processing
- exact thickness of adhesive layer
- free of solvents
- free of plasticizer
- easy storage
- good environmental performance

Unsere anwendungstechnische Beratung in Wort, Schrift und durch Versuche erfolgt nach bestem Wissen, gilt jedoch nur als unverbindlicher Hinweis, auch in Bezug auf etwaige Schutzrechte Dritter und befreit Sie nicht von der eigenen Prüfung der von uns gelieferten Produkte auf ihre Eignung für die beabsichtigten Verfahren und Zwecke. Anwendung, Verwendung und Verarbeitung der Produkte erfolgen außerhalb unserer Kontrollmöglichkeiten und liegen daher ausschließlich in Ihrem Verantwortungsbereich.

Liability clauses

Sales products

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets- and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

Trial products „VPT“ and „LPT“

Products with the designation „VPT“ or „LPT“ are sold as trial stage or developmental stage products, respectively. Further information, including amended or supplementary data on hazards associated with its use, may be compiled in the future. For this reason no assurances are given as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at his own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damages, of whatever nature, arising out of such use.

Commercialization and continued supply of this material are not assured. Its supply may be discontinued at any time.

Test specimens - Reference data

Unless specified to the contrary, the values given have been established on standardised test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the colouring.

Medical

Epurex films products should not be used for long-term applications or with long-term contact with endogenous substances (body fluids).

Responsibility of the manufacturer of the medical device

As regards the production conditions of the processor of our material which are not known to us, it is the responsibility of the processor to ascertain the suitability of our materials in the finished product in terms of directives and statutes to be observed.

The suitability of our materials also depends on the ambient conditions (see below) for the finished product

Chemical compatibility, temperature, design of the medical article, method of sterilisation, internal stress within the finished article, and external stress all influence suitability, and are therefore the responsibility of the processor and the manufacturer of the finished product.

Multiple-use of medical articles

Medical articles which are intended for single use and which were manufactured from our films are not suitable for multiple use. If the medical article was manufactured for multiple use, it is the responsibility of the manufacturer of the finished product to determine an appropriate number of times it may be used, by determining and evaluating the conditions of sterilisation and final use. Appropriate warnings and instructions must be given to the final user.

Sterilisation

The use of various methods of sterilisation and the permitted number of sterilisation cycles for a medical article which is made from our materials depend on the design of the parts, the processing parameters, the sterilisation temperature and the chemical environment. Therefore the manufacturer must determine and evaluate the most suitable method of sterilisation (and if applicable the permitted number of sterilisation cycles) for each medical article. Appropriate instructions and warnings must be given to the final user.

Singular tests

In order to demonstrate characteristic properties, data may be generated in special tests which were performed possibly only once. Such data are typically provided with the identification of the specific roll (lot) number. These data are not considered as general information, nor are they an indication of minimum values. They are not part of the product specifications.

General conditions of sale

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Technical advice

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