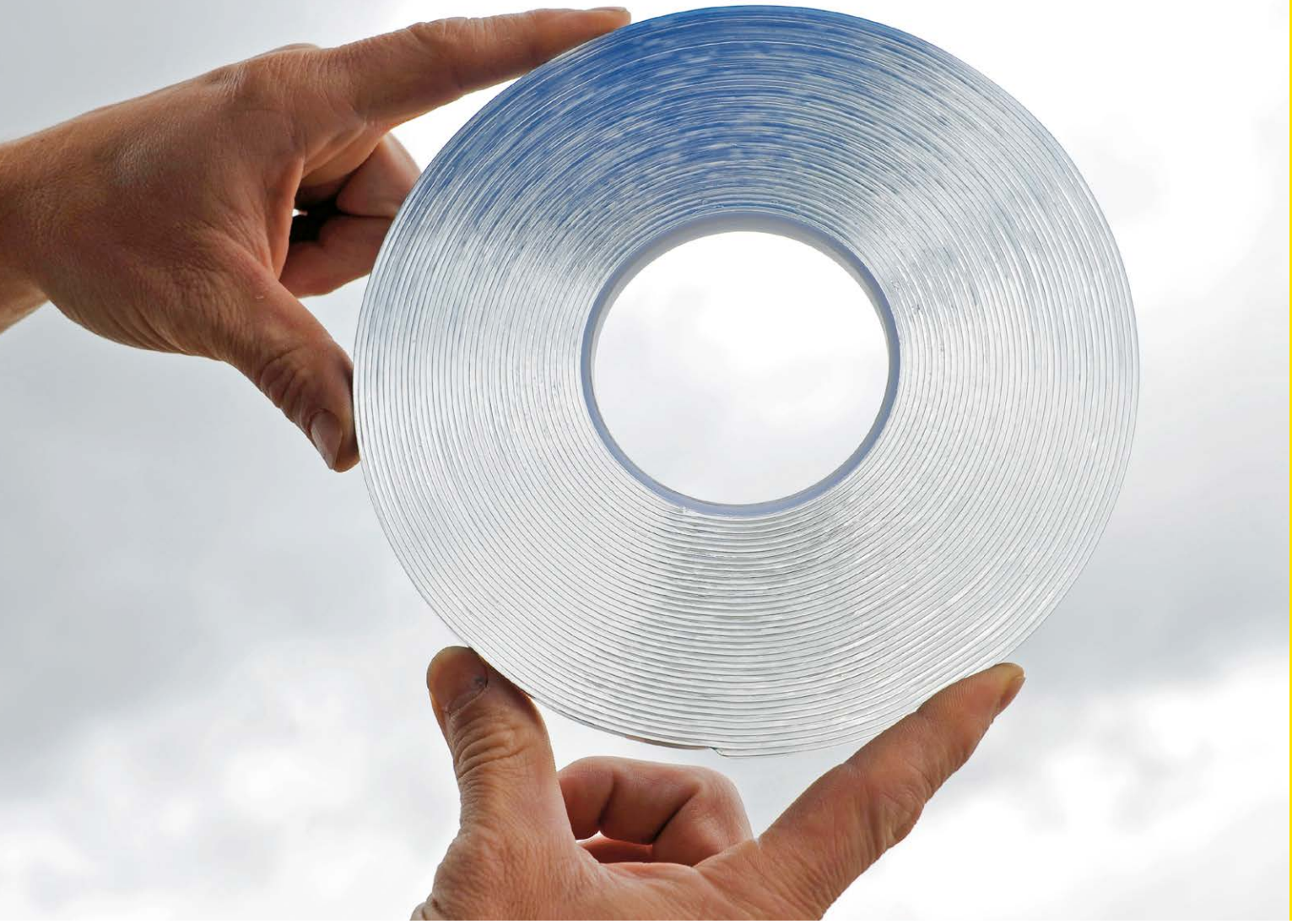
Tape Designer:
Many possibilities – one solution

BIOLINK

tape solutions



Production of all products in an ecological and environmentally friendly way by using our unique Biolink technology

Biolink is the specialist

- We design, develop and produce solvent-free, high performance tapes, for critical applications
- Utilising our R&D facility, our experience and expertise and our proprietary adhesive technology, we provide highly effective solutions for many industries around the world, including the automotive, aerospace, electronics, construction and solar industries.

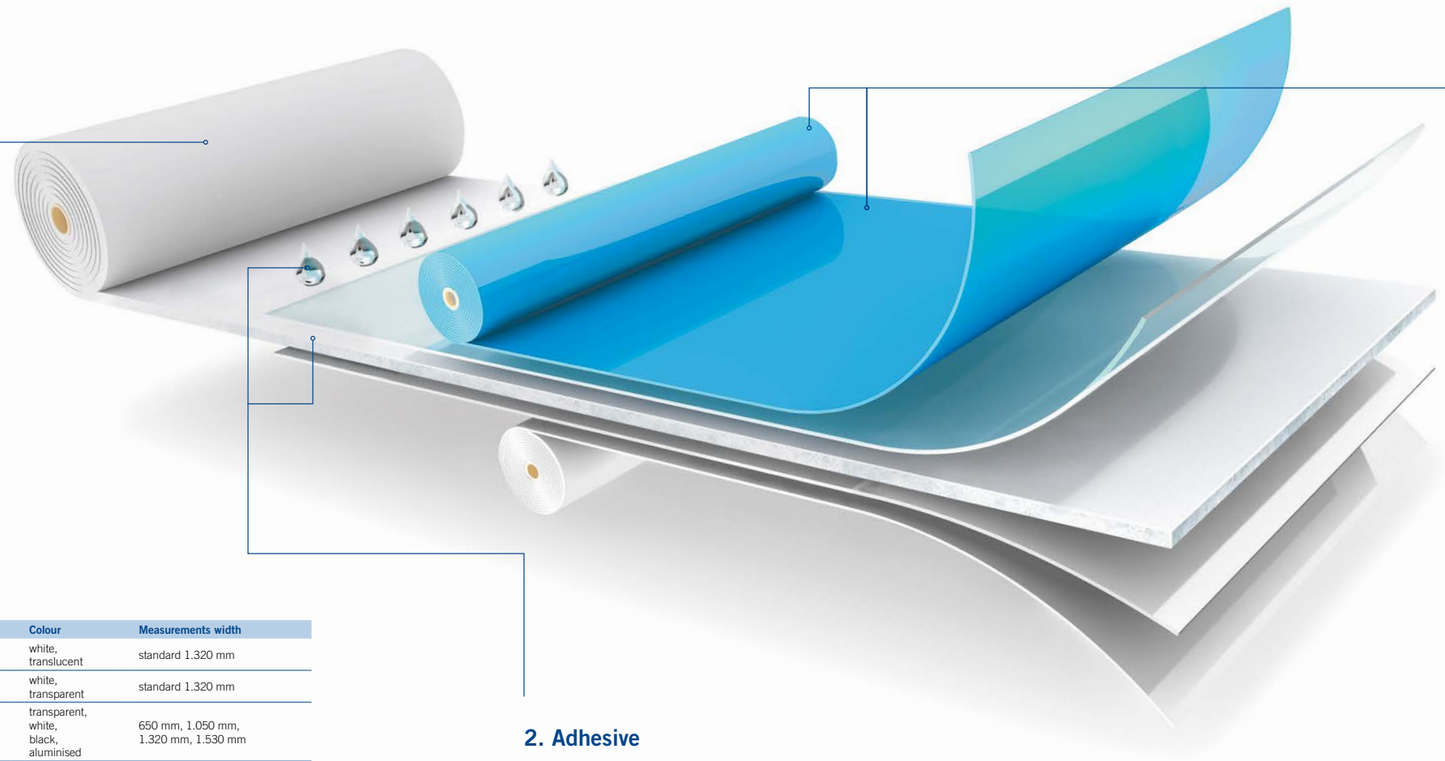
Technological properties of our products:

Our adhesive expertise allows us to develop tapes with specific properties, for example:

- aging stability
- excellent temperature resistance (-40°C up to +200°C)
- excellent adhesion to low- and high-energy surfaces
- high transparency (transparent adhesive film, non-yellowing, no occlusions, no fillers)
- environmental resistance (UV, weathering etc.)
- excellent resistance against many chemicals
- proven long-term aging resistance and performance in-situ
- adhesive thicknesses of 30µ to 3000µ
- multiple functions:
  - sealing
  - gap filling

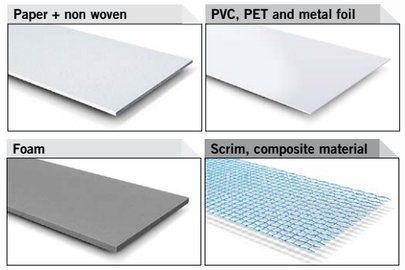
Our flexibility – your advantage:
Our modular system for custom-made tapes, which allows a simple compilation of the specific tape that you need, in just few steps:

1. Selection of the product format
2. Selection of the adhesive class
3. Selection of the liner material
4. Presentation of the adhesive as rolls, sheets or die cut parts



1. Carrier or transfer tape

First of all, the decision needs to be taken if you need an adhesive tape with a carrier or if a transfer tape (without a carrier material) is more suitable. If a carrier is required, there are several decisions to make regarding the character of the carrier material (i.e. rigid, thin, filmic, etc.). Our comprehensive selection of potential substrates will provides the solution for your specific application.



Carrier material		Colour	Measurements width
Paper and non-woven carrier	different weights and widths	white, translucent	standard 1.320 mm
PVC film	different thicknesses and colours	white, transparent	standard 1.320 mm
Polyester film	different thicknesses and colours	transparent, white, black, aluminised	650 mm, 1.050 mm, 1.320 mm, 1.530 mm
Metal foils	metal foils with aluminium, different thicknesses and qualities		
• aluminium foil	30 µm – 100 µm thickness		980 mm
• composite foil with aluminium and polyethylene	different thicknesses		1.000 mm
Foam			
• polyethylene foam	different densities and thicknesses 0,2 – 5 mm	white, black	1.320 mm, 1.500 mm
• polyurethane foam	different densities and thicknesses	white, black	1.320 mm
Aluminium foil with polyester scrim			980 mm
Aluminium and fibre class scrim			1.000 mm, 1.180 mm, 1.380 mm

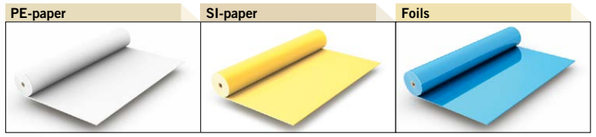
2. Adhesive

As the second step, consider the substrates to be bonded. We can test these surfaces in our lab to determine the most appropriate adhesive class and coating thickness that are most appropriate to the requirements of the application. Our adhesive classes are based on a 100% acrylic, solvent-free technology and can be modified for your specific needs.

Adhesive classes	Adhesive type	Characteristics	
rs	pure acrylic	· suitable for polar surfaces · very high cohesion	· high temperature resistance · good chemical-resistant
r	pure acrylic	· suitable for polar surfaces · very high cohesion	· high temperature resistance · good chemical-resistant
rx	pure acrylic	· universally applicable (polar and non-polar surfaces) · good initial tack	· UV-resistance · aging resistance
hp	modified acrylic	· universally applicable (polar and non-polar surfaces) · very good ultimate bond strength	· good plasticizer resistance (plasticised pvc)
h+	modified acrylic	· universally applicable (polar and non-polar surfaces) · very good initial tack	· good temperature resistance
hs	modified acrylic	· suitable for low energy surfaces · especially suitable for bonding textiles	· very good initial tack · non-yellowing
hx	modified acrylic	· suitable for low energy surfaces · very good initial tack	· good hydrolysis resistance
le20	special modified acrylic	· suitable for low energy surfaces · very good initial tack	· good solvent resistance

3. Liner materials

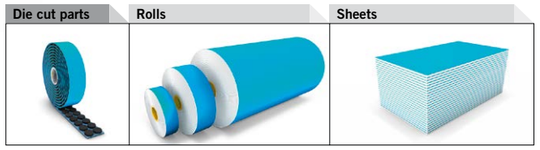
As a third step, consider the liner and its functionality during both application and end use. We have a wide range of standard liners available from stock and special liners can be developed with our key suppliers. Different liners can be selected according to the release level, the converting and the application requirements. Paper liners are hand tearable for instance, while filmic liners provide high dimensional stability and strength for machine application and easy, one-piece removal by the end user, when in situ on the finished product.



Liner materials	Colours	Measurements width
Silicone paper, single or double siliconised in different grades	white, yellow	650 mm, 1.050 mm, 1.320 mm, 1.400 mm and 1.530 mm
PE coated paper, single or double siliconised in different grades	white, blue, white with Biolink logo	650 mm, 1.050 mm, 1.200 mm, 1.320 mm, 1.400 mm and 1.530 mm
Films: PET, PP-Coex, MOPP, HDPE, single or double siliconised in different grades	white, transparent, blue, red, green	650 mm, 1.050 mm, 1.320 mm and 1.530 mm

4. Converting

Finally, specify the presentation of your customlink product. According to your production requirements, we will supply your adhesive tape as a roll, sheet, spool or die-cut part to guarantee a smooth, optimised manufacturing process.



We are pleased to offer you more liner and carrier materials as well as different widths and lengths on enquiry.

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