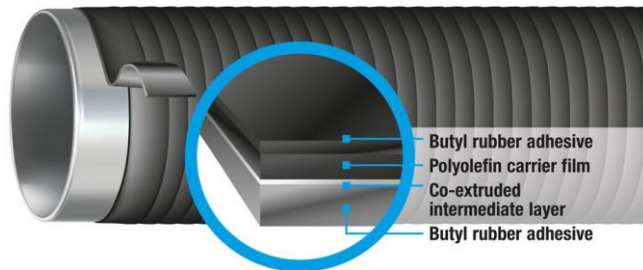


BUTYLEN-AS40 HT



Product information

Special advantages:



For operating temperatures up to +100°C (+212°F).



Fulfils EN 12068-C80 and DIN 30672-C80.



Fulfils ISO 21809-3; Type 12A-3.



Fulfils ISO 21809-3 at +100°C (+212°F), in a **2-layer application with just one wrapping process.**



Excellent shear strength even at maximum operating temperature.



Cost-effective use by hand or with DENSOMAT® wrapping devices.

Single tape system resistant to high temperatures for lasting corrosion prevention for metal pipes and pipelines, particularly at operating temperatures up to +100°C (+212°F).

DEKOTEC GmbH stands for experience, quality and reliability in the field of corrosion prevention and sealing technology. The success is based on the development of the Petrolatum-Tape which was already developed in 1927 as the first product worldwide for passive corrosion prevention of pipelines. We establish and guarantee the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees are continuously implementing safe and individual solutions in a personal cooperation with the customer..

Product description

BUTYLEN-AS40 HT sets a new benchmark as a **single tape system** suitable for cold processing and resistant to high temperatures. A patent provides the impressive testament to the product's unique composition.

Thanks to the innovative formula, the tapes fuse together completely in the overlap area and create a long-lasting hose-type coating.

BUTYLEN-AS40 HT has **outstanding properties**, particularly in combination with the primer specially formulated to resist higher temperatures, **BUTYLEN-HT100 Primer** Just **one wrapping process** with 50% overlap **suffices** to fulfil the requirements of ISO 21809-3.

With a 4-layer application, you can further increase the effect of the properties significantly.

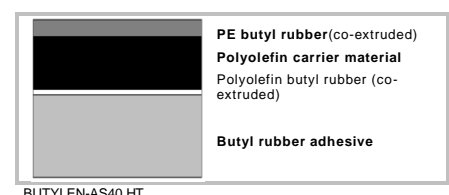
Even at the maximum operating temperature you will obtain excellent shear strength, regardless of the number of layers you have selected.

The outstanding economic and qualitative properties of **BUTYLEN-AS40 HT** allow you to achieve a cost-efficient coating.

BUTYLEN-AS40 HT is impermeable against water vapour and oxygen and it is resistant against soil bacteria and soil electrolytes.

As a **genuine, co-extruded** 3-layer plastic tape, it has an **excellent bond between adhesive and carrier film**. It **consists** of stabilised polyolefin carrier material with a butyl rubber adhesive on both sides. **BUTYLEN-AS40 HT** is compatible with factory coatings made of PE, PP, FBE, PU and bitumen.

PALIMEX®-AL and **PALIMEX®-PB** are other products available to you for use **above ground**: they are also visually appealing and reduce the UV strain.



BUTYLEN-AS40 HT

Typical product properties

Property	Unit	Typical value	Test method
Outside colour	-	Black	-
Inside colour	-	grey	-
Total thickness	mm	≥ 0.8	ISO 4591 ASTM D1000
Outer adhesive layer thickness	mm	≥ 0.08	
Carrier film thickness	mm	≥ 0.28	
Inside adhesive layer thickness	mm	≥ 0.44	
Elongation at break	%	600	
Tape strength	+23°C (+73°F) N / cm	100	EN 12068
Electrical insulation resistance	Ω m ²	≥ 10 ¹⁰	EN 12068
Dielectric strength	kV / mm	≥ 40	DIN 53481
Water absorption	+23°C (+73°F)1 day / 30 days %	≤ 0.1 / ≤ 0.4	DIN 53495 ASTM D570

BUTYLEN-AS40 HT with BUTYLEN-HT100 Primer

Property	Test temperature	Unit	Typical value		Test Standard
			2-layer	4-layer	
Impact resistance	+23°C (+73°F)	J/mm	≥ 4.3	≥ 6.0	ISO 21809-3
Indentation resistance (residual layer thickness)	+23°C (+73°F)	mm	≥ 0.9	≥ 2.0	
	+100°C (+212°F)		≥ 0.6	≥ 1.3	
Cathodic disbondment resistance (28 days)	+23°C (+73°F)	mm	≤ 5		
Peel strength (inner layer/inner layer) (inner layer/outer layer) (outer layer/outer layer)	+23°C (+73°F)	N/cm	≥ 35		
Peel strength (steel surface)	+23°C (+73°F)	N/cm	≥ 18		
Peel strength (factory coating)	+23°C (+73°F)	N/cm	≥ 18		
Lap shear strength	+23°C (+73°F)	N/cm ²	≥ 20		
	+100°C (+212°F)		≥ 4		

BUTYLEN tapes can be easily applied by hand. It is even more efficient to work with the tape with the original **DEKOMAT**[®] wrapping devices. For **BUTYLEN** tapes with widths of > 50 mm, we recommend the use of the **DEKOMAT**[®] wrapping device to guarantee an excellent processing quality.

Ordering information and packaging

	Width [mm]	Length [m]	m ² /roll	Rolls	Content per box		
					m ²	lin. m	kg (approx.)
BUTYLEN-AS40 HT core Ø 41 mm	50	15	0.75	12	9.0	180	10
	100		1.50	6	9.0	90	10
	150		2.25	6	13.5	90	15
BUTYLEN-AS40 HT core Ø 78 mm	100	70	7.00	3	21.0	210	19
	150		10.50	2	21.0	140	19

Additional lengths and widths are available on request.

Storage

When stored in its original, unopened packaging, **BUTYLEN-AS40 HT** can be stored for at least 24 months after the manufacturing date.

Storage temperature: ≤ +40°C (+104°F)

Store in a dry location and do not rest anything against the front of the product.

DEKOTEC GmbH

Felderstrasse 24 | 51371 Leverkusen | Germany
Phone: +49 214 2602-0 | info@dekotec.com
www.dekotec.com

Our product information, application recommendations and other printed publications provide advice to the best of our knowledge and indicate our level of knowledge at the time of printing. The content is not legally binding. Therefore, no liability is assumed for incorrect and missing advice. The applicator is obliged to check the suitability and possibility of application for the intended purpose. Unless otherwise specified, all of the brands named are trademarks, at least registered in Germany, which are protected by law.

Only our general terms and conditions of sale, which you will find at www.dekotec.com, apply. This is a translation from the original German product information. In case of any discrepancy or any dispute arising on the interpretation, the German text of the respective German product information, shall be decisive. The legal relationship shall be governed by German law.