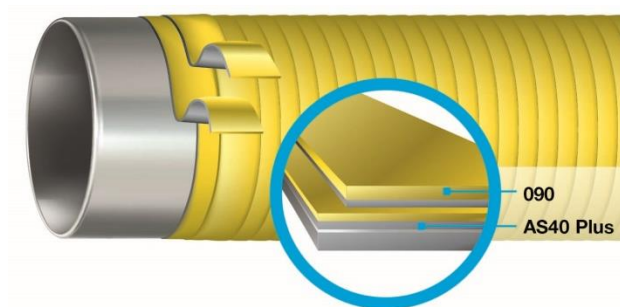


BUTYLEN-AS40 Plus/-090

Product information

SPECIALIZED
COATING SYSTEMS



Special advantages:

- ✓ Approval by GRTgaz (FR) for stress class HR (RV02).
- ✓ **B50**
EN 12068 Fulfills stress class B 50 in accordance with EN 12068.
- ✓ Compatible with factory coatings made of PE, PP, FBE, PUR and bitumen.
- ✓ Ideal for corrosion prevention in gas pipe networks.

Two-tape system for the field-joint coating of pipelines especially gas pipe networks.

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.

Description

BUTYLEN-AS40 Plus/-090 is a tape system for the permanent corrosion prevention for buried pipelines.

BUTYLEN-AS40 Plus/-090 is outstandingly qualified for the use on pipes with smaller nominal pipe sizes. The yellow color of the outside tape is adapted to the use in gas pipe networks.

BUTYLEN-AS40 Plus/-090 fulfills the requirements for stress class B 50 in accordance with EN 12068. In addition BUTYLEN-AS40 Plus/-090 fulfills the requirements for stress class HR of the specification RV02 by GRTgaz (France) (certificate No. 106).

Standard designation:

- EN 12068 – **B 50**



BUTYLEN-AS40 Plus as inside tape, fulfills essentially the corrosion prevention of the encasement system. BUTYLEN-AS40 Plus is a co-extruded 3-ply tape with a two-sided asymmetrical butyl rubber coating. This 3-ply design establishes an essentially gas and water type encasement in the overlapping area of the tape through self-amalgamation of the upper and lower butyl rubber coating.

BUTYLEN-090 is used as the out-side tape in the encasement system and provides the mechanical protection of the inside tape. BUTYLEN-090 is a flexible two-layer tape with a polyethylene outside layer and an inside butyl rubber coating, which welds together with the outside layer of the inside tape. Both **BUTYLEN** tapes can be processed efficiently with the **DEKOMAT®** wrapping devices.

Typical product properties

Property	Unit	BUTYLEN-AS40 Plus Typical value	BUTYLEN-090 Typical value	Test method
Carrier film color	-	black	yellow	-
Butyl adhesive color inside	-	grey	grey	-
Butyl adhesive color outside	-	Black	-	-
Tape thickness	mm	≥0.8	≥0.4	ISO 4591 ASTM D1000
Carrier film thickness app.	mm	≥0.28	≥0.26	
Inside adhesive layer thickness app.	mm	≥0.44	≥0.14	
Outside adhesive layer thickness app.	mm	≥0.08	-	
Water absorption (1 d/ 30 d)	%	≤0.1/ ≤0.4	-	ASTM D570
Elongation at break	%	≥600	≥400	DIN 30672
Tape strength	N / cm	≥100	≥35	EN 12068
Electric strength	kV/mm	≥40	-	ASTM D149

BUTYLEN-AS40 Plus/-090 with BUTYLEN-HT Primer

Property	Unit	Typical value	Required value	Test method
System design	Prime coat	BUTYLEN-HT Primer	-	-
	Inner tape	BUTYLEN-AS40 Plus, 2 layers	-	-
	Outer tape	BUTYLEN-090, 2 layers	-	-
Total thickness	mm	≥2.4	-	-
Specific electrical insulation resistance	Ohm m ²	≥10 ¹⁰	≥10 ⁶	EN 12068
Peel strength on steel	+23°C (+73°F)	≥25	≥4	EN 12068
	+50°C (+122°F)	≥2.5	≥0.4	EN 12068
Peel resistance layer to layer	AS40 Plus / AS40 Plus	≥30	≥8	EN 12068
	AS40 Plus / 090	≥30	≥8	
	090 / 090	≥2	≥2	
Indentation resistance (residual layer thickness)	+23°C (+73°F) 1N/mm ² , stamp-Ø 5,65mm	≥0.6	≥0.6	EN 12068
Impact resistance	J	≥16	≥15	GdF RV 02
	J	≥10	≥8	EN 12068
Cathodic disbondment resistance	mm	<6	<20	EN 12068
Lap shear strength (+23°C/ +73°F)	on steel	≥15	≥5	EN 12068
	on PE	≥15	≥5	EN 12068

BUTYLEN tapes can be easily applied manually. The processing with the original **DEKOMAT®** wrapping devices is even more efficient. 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

	Core diameter (mm)	Width (mm)	Tape Length (m)	Area per roll (m ²)	Content per box			
					Number of rolls	Total area (m ²)	Total tape length (m)	App. weight (kg)
BUTYLEN-AS40 Plus	41	30	15	0.45	18	8.1	270	9.3
		50	15	0.75	12	9	180	10.2
		100	15	1.5	6	9	90	10.1
	78	100	70	7	3	21	210	19
		150	70	10.5	2	21	140	19
BUTYLEN-090	41	30	30	0.9	18	16.2	540	9
		50	30	1.5	12	18	360	10
		100	30	3	6	18	180	10
	78	100	150	15	3	45	450	21

Additional lengths and widths are available on request.

Storage

When stored in its original, unopened packaging, **BUTYLEN-AS40 Plus/-090** can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +50°C (+122°F)

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



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