

POLIFLEX 90-15

Single band



TECHNICAL DATA SHEET - TECHNICAL DATA SHEET

DESCRIPTION:

Cold, highly adhesive self-amalgamating stretchy tape composed of a layer of viscoelastic butyl rubber and a covering in polyethylene film high density.

Suitable for the covering of joints of underground pipes also of big diameters as sole corrosion proofing tape, if applied in double layer (overlapping 50 %).

Thanks to the butyl rubber, it does not change its adhesion properties when seasons change, and it is not messy.

APPLICATIONS:

For sealing and insulating pipes and ducts like gas pipelines, waterworks, oil pipelines or for metallic buildings in the chemical industry or in the building sector like for example underground poles. Use POLIFLEX 90-15 for indoor or underground applications or has to be protected from UV. Use ALUTHENE-40.

TECHNICAL DATA:

Characteristic of PE film high density

Thickness	NFT 54-101	:	100 µm
Resistance at break	ISO 527-3	:	≥ 24 MPa
	ISO 527-3	:	≥ 20 MPa
Elongation at break	ISO 527-3	:	≥ 650 %
	ISO 527-3	:	≥ 700 %
Resistance to impact	ISO 7765-1/2	:	≥ 750 g

Butyl mastic characteristics

Colour	:	black	
Density	:	≈ 1,7 g/cm ³	
Solid content	:	> 99 %	
Butyl mastic resistance to flow at 5 °C	ISO 7390	:	≤ 3 mm
Butyl mastic resistance to flow at 70 °C	ISO 7390	:	≤ 3 mm

Tape characteristics

Total thickness	:	≈ 0,8 mm	
Application temperature	:	+5 °C ≤ T ≤ +40 °C	
Service temperature	:	-30 °C ≤ T ≤ +80 °C	
Dielectric rigidity	:	> 30 Kw/mm	
Breaking load	ASTM D1000	:	> 33 N/10 mm
Adhesion tape-tape	ASTM D1000	:	> 24 N/10 mm
Insulating resistance	ASTM D1000	:	> 10 ⁸ MOhm



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CHEMICAL AND TECHNICAL PRODUCTS

CHEMISTRY IN ACTION

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Resistance to Aromatic hydrocarbons	:	good
Resistance to Aliphatic hydrocarbons	:	excellent
Chemical resistance to Acids and Alkalis	:	excellent
Shock behaviour at -30 °C	D 42 1313	: no unbonding
Water vapour transmission	NF T 30018	: ≈ 2 g/m ² / 24 h
Right angle peeling on steel at 100 mm/mn at 23 °C	MEL 052	: ≈ 9 N/cm
Right angle peeling on concrete at 100 mm/mn at 23 °C	MEL 052	: ≈ 6 N/cm
Resistance to impact	ASTMG13	: > 5 Drops

For the above-mentioned characteristics, the POLIFLEX 90-15 Tape **is conform to the norms DIN 30672 and UNI EN 12068.**

INSTRUCTIONS FOR USE:

Considering the excellent adhesion talent, it does not need Primer if applied on clean and dry surfaces. Remove the silicon film and apply in an uniform way exerting a light tension to make it adhere perfectly on the pipe surface. In case of pipes particularly rusted or corrugated, it is necessary a careful brushing and an application of one layer of Butyl Primer.

It can be applied with machine (Roller Pipe) regulating it on the right tension of the friction.

SAFETY:

Keep out of reach of children.
Consult POLIFLEX 90-15 safety data sheet.

SHELF LIFE-STORAGE:

12 months from the manufacturing date, in its original unopened package away from humidity. Store in a properly ventilated room at a maximum temperature of 30 °C. The "easy peel" release paper tends to stick if storage temperatures exceed 30 °C.

