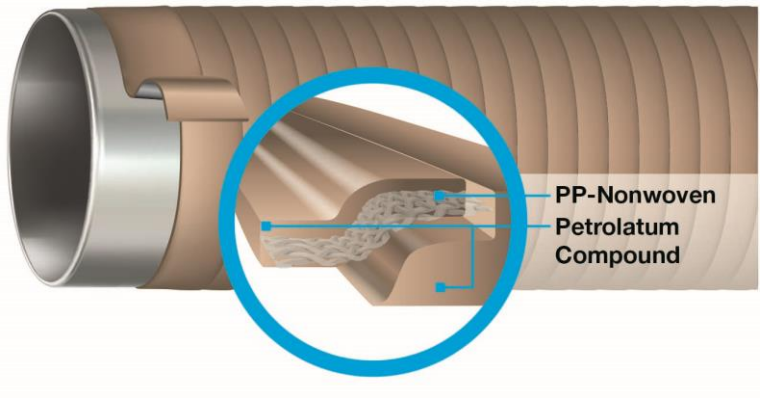
PLASTELEN®-Tec

Product information



Special advantages:

- For operating temperatures of -40°C (-40°F) to +35°C (+95°F).
- For temperatures of -40°C (-40°F) to +50°C (+122°F).
- High plasticity and flexibility.
- Electrically insulating and diffusion resistant.
- Ideally suitable for complex surfaces of pipeline components.

Plastic petrolatum tape for sealing and for corrosion prevention at metallic components, pipes and armatures with operating temperatures up to +35°C (+95°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.

Description

PLASTELEN®-Tec is a corrosion prevention tape that can be processed cold on the basis of petrolatum.

PLASTELEN®-Tec consist of an impregnated polypropylene carrier nonwoven, which is coated on both sides with a corrosion prevention petrolatum mastic. The petrolatum mastic is stabilized by polymer additives, which means that it can be used at operating temperatures of -40°C (-40 °F) to +35°C (+95°F).

PLASTELEN®-Tec is impermeable for water and highly resistant against hydrous electrolyte solution.

PLASTELEN®-Tec is based on more than 90 years of experience in the production of high quality corrosion prevention products on petrolatum basis.

PLASTELEN®-Tec is used in many applications, e.g. as

- Corrosion prevention for structural metallic components in buildings and above ground systems,
- Corrosion prevention of metal parts or pipe systems inserted into concrete or screed,
- Galvanic separation layer for metallic constructions,
- Corrosion prevention of cooling lines or heat insulating insulations.

PLASTELEN®-Tec will be wrapped as insulation layer at least with one layer and, as corrosion prevention encasement with 50% overlap, at least with two layers, or processed layer by layer with an adequate overlap.

An alternative corrosion prevention tape with a laminated PP film is available with **PLASTELEN®-Plast** for buried pipelines, which provides an increased resistance against washing out, e.g. due to rising and falling groundwater.

PLASTELEN®-Tape MT (+60°C, +140°F), **PLASTELEN®-Feu** (+70°C, +158°F) and **PLASTELEN®-Cal** (+110°C, +230°F) are additional corrosion prevention tapes with the proven DEKOTEC quality for applications with higher temperature requirements.

Typical product properties

Property	Unit	Typical value	Required value	Test method
Thickness	mm	app. 1.1	-	-
Carrier	-	Polypropylene nonwoven	-	-
Specific electrical insulation resistance	Ω m^2	$\geq 10^7$	$\geq 10^6$	EN 12068
Drip resistance 48h, +50°C (+122°F)	-	No dripping	No dripping	EN 12068
Dripping point	°C (°F)	app. +60 (+140)	-	
Low temperature unrolling test +5°C (+23°F)	-	passed	No separation, no crack development	EN 12068
Saponification value (petrolatum mastic)	mg (KOH) / g	≤10	<25	EN 12068
UV stability	-	good	-	-
Operating temperature	°C (°F)	-40 to +35 (-40 to +95)	-	-
For temperatures of	°C (°F)	-40 to +50 (-40 to +122)	-	-

Ordering information and packaging

Roll length 10 m

Width (mm)	Number of rolls per box	Tape length per box (m)	Tape surface per box (m²)	Weight per box app. (kg)
50	24	240	12	13,2
100	12	120	12	13,2
150	6	60	9	10,0
200	6	60	12	13,2

Additional dimensions available on request.

Storage

When stored in its original, unopened packaging, **PLASTELEN®-Tec** can be stored for at least 60 months after the manufacturing date.
Storage temperature: ≤ +30°C (+86°F)
The product must be stored dry, without load on the front surface.

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