

Description: PIB is a polyisobutylene (synthetic rubber) based medium voltage band, which has excellent chemical, physical and electrical properties. It is a self-amalgamating tape, which provides solid insulation for uninterrupted electrical stability and permanent resistance to moisture.

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**TECHNICAL DETAILS:****Sample**Physical properties

Core:	polyisobutylene
Core thickness mm	0,5
Tear resistance kPa	2413
Ultimate elongation %	1000
Temperature resistance °C	-40 up to +90

Chemical properties

Water absorption %	0,02
O-zone resistance visual	passed
UV resistance visual	passed

Electrical properties

Breakdown voltage kV/mm	35
Dielektrizitätskonstante 60HZ, 600V	2,5
Dielectric constant	$> 10^{13}$
Colour	Schwarz
Testing methods	ASTM-D-4325, ASTM-D-570

**Application**

Waterproofing for telephone lines and other water-impermeable applications. Insulating and coating splices in high voltage cables of between 600 V to 46000 V. Fitting stress cones, and coating splices in high voltage cables of between 600 V to 35000 V.

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**Note:**

All the technical data are average values. We advice to test the material required to ensure the suitability of intended application. The company reserves the right improve products and change specifications which may alter performance.