



# POLYISOBUTYLENE SELF-AMALGAMATING TAPE

## TECHNICAL DATA SHEET

### PRODUCT : DNA-PIB

- DESCRIPTION :** CONFORMABLE SELF-AMALGAMATING TAPES BASED ON POLYISOBUTYLENE RUBBER INTERLEAVED WITH AN EASY TO REMOVE PVC FILM, NON TACKY AND EASY TO APPLY AND HANDLE
- USE :** FOR JOINTING, SPLICING AND REPAIR CABLES, FOR MAKING WATERTIGHT SEALS AT SLEEVE JOINTS BOTH ABOVE AND BELOW GROUND IN CONJUNCTION WITH SOFT PVC TAPES.  
THE TAPE AMALGAMATES WITHIN 10 MINUTES, RESIST TO PLASTICISERS, CAN BE PAINTED WITH ACRYLIC PAINTS AND CAN BE USED FOR SEALING AND INSULATING PIPES, HOSES AND DUCTS.
- COLOR :** BLACK
- MAIN FEATURES :** VERY GOOD ELECTRICAL AND PHYSICAL PROPERTIES. THE TAPE AMALGAMATE QUICKLY WHEN APPLIED UNDER TENSION PROVIDING A VOID-FREE HOMOGENEOUS WRAPPING WITHOUT EXTERNAL HEAT.  
IT IS HIGHLY RESISTANT TO PROLONGED IMMERSION IN WATER AND HAS VERY GOOD RESISTENCE TO OZONE. WHEN CUT DNA-PIB WILL REMOVE CLEANLY FROM MOST SURFACE ALLOWING IT TO BE USED AS A TEMPORARY INSULATION OR PROTECTION POLYCYCLING AROMATHIC HYDROCRBURES AND HALOGEN FREE.
- APPLICATION :** STRIP BACK THE INTERLEAVING FILM AND STRETCH THE TAPE TO REDUCE ITS WIDTH BY ONE THIRD, KEEP THE TAPE UNDER TENSION AND WRAP OVERLAPPING SUCCESSIVE LAYERS BY ABOUT 50%.  
FINISH THE WRAPPING BY HOLDING THE TAPE AND SNAP BY STRETCHING WILL PREVENT THE INCLUSIONS OF VOID AND ENSURE A RAPID SELF-AMALGAMATION.

### TECHNICAL DATA

TOTAL THICKNESS	0,50 mm
TENSILE STRENGTH	2,2 MPa
ELONGATION AT BREAK	650%
DIELECTRIC STRENGTH	42kV/mm
VOLUME RESISTIVITY	$>10^{14}$ OHM/cm
HEAT RESISTANCE	-40°C / +90°C
OZONE RESISTANCE	VERY GOOD
WEATHER RESISTANCE	VERY GOOD
SELF AMALGAMATING PROPERTY	EXCELLENT

THESE AVERAGE VALUES COMING FROM OUR EXPERIENCE AND TESTS.  
WE ARE ALLOWED TO MODIFY THE PRODUCT.  
THE CUSTOMER HAS TO CHECK IF THE PRODUCT IS SUITABLE FOR ITS NEEDS BEFORE USING IT.