

POLIFLEX-80



DESCRIPTION:

Viscoelastic adhesive tape made of polyisobutylene-based butyl putty supported by high density polyethylene films.

PECULIARITIES:

Great stretch capacity on both directions. Given the high adhesive, self-amalgamating power, it does not need a fixing primer. It perfectly impermeabilizes surfaces, insulating them from soft chemical and atmospheric agents.

APPLICATIONS:

Corrosion proofing covering for underground and overhead pipes (protected with aluminium), sealing of metallic and cement surfaces in the building sector (joints, skylights, chimney flashings, cold flues, conditioning channels, etc.). The great stretch capacity gives the tape a quite universal adaptability to all surfaces, even to the most irregular ones (curves, Te, spigot joints, etc.). As for the product application, the surface has only to be clean and not humid. It has to be stripped exerting the necessary pulling stress according to the situation. In fact it can be stretched up to more than 700 % of its original length. The final thickness changes according to the pulling stress exerted. An overlap of at least 10 % of the tape width is recommended.

TECHNICAL DATA

TESTS

RESULTS

| | | |
|------------------------------|---------------|------------------------|
| Thickness | NFT 54-101 | 0,8 mm |
| Density | NFT 51-063 | 0,92 g/cm³ |
| Colour | | Grey |
| Break resistance (length) | SL NFT 54-102 | > 20 MPa |
| (width) | ST NFT 54-102 | > 20 MPa |
| Ultimate elongation (length) | SL NFT 54-102 | > 500 % |
| (width) | ST NFT 54-102 | > 700 % |
| Impact resistance | NFT 54-109 | > 8,2 j |
| Dielectric strength | | > 20,8 KV/mm |
| Electric resistance Rs 100 | | > 10,5 ⁶ MΩ |
| Adhesive thickness | | about 0,7 mm |
| Support thickness | | 0,08 mm |
| Stripping force | D51 1485 | 16 N/cm |
| Nature of the break | D51 1485 | cohesive putty |
| Application temperature | | +5 ÷ +40 °C |
| Service temperature | | -30 ÷ +80 °C |

Putty characteristics

| | | |
|---|-------------|---------------------------|
| Nature of rubber | | butile poliisobutilene |
| Adhesive thickness | | about 0,7 mm |
| Density | MED 007 | 1,6 g/cm³ |
| Colour | | grey |
| Resistance to cathodic disbondment | | ≥ 20 mm |
| Tear resistance 100 mm/min | D51 1178 * | 0,29 MPa |
| Shear strength 10 mm/min | D41 1108 * | 0,055 MPa |
| Penetration resistance | | ≥ 1 N/mm² |
| Test posting of steel at 100 mm/mn @ 23 °C | MEL 052 | about 9 N/cm |
| Test posting of concrete at 100 mm/mn @ 23 °C | MEL 052 | about 6 N/cm |
| Putty resistance to the current flow at 5 °C | NF P 85-501 | 0 mm |
| Putty resistance to the current flow at 70 °C | NF P 85-501 | 0 mm |

Product complying with the UNI EN 10190, UNI EN 12068.

* Renault research centre STANDARD

FIRE RESISTANCE CLASS B 2 (Test method DIN 4102)

PACKAGING:

Rolls H 50/75/100 mm x 9,15 m length; boxes of 24, 18, 12 pcs.

