

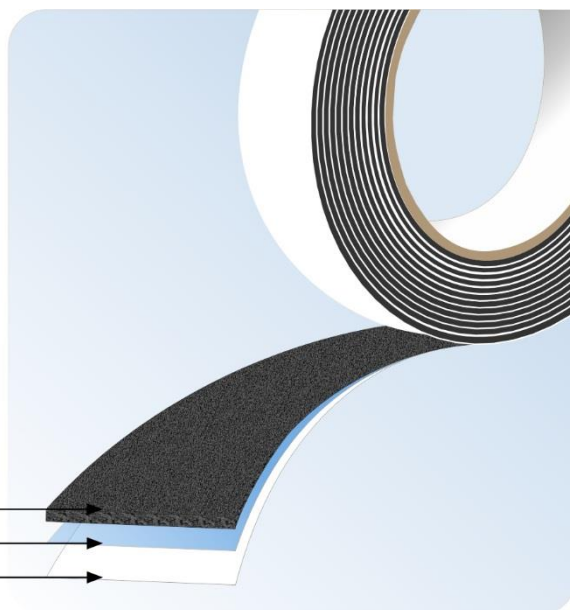
Product information

VITOFLEX F 180

The product is a closed-cell foam rubber based on natural rubber/styrene-butadiene-rubber (NR/SBR) equipped self-adhesive on one side.

Product composition

Carrier, NR/SBR, black
Adhesive, acrylic dispersion
Liner, siliconised paper, white



Application

VITOFLEX F 180 is used for protecting, damping, insulating and sealing.

Product benefit

The product is characterized by its high compressive strength.

Technical data and product properties of the carrier

Density (ISO 845)		190 ± 20 kg/m ³
Compressive strength (ASTM-D 1056-07)	25 % 50 %	60 - 90 kPa 120 - 160 kPa
Compression set (ASTM 1056-07)	50 % / 23 °C 50 % / 40 °C	≤ 50 % after 0,5 h / ≤ 25 % after 24 h ≤ 85 % after 0,5 h / ≤ 65 % after 24 h
Hardness (ISO 868)	shore 00	48 ± 7
Shrinkage linear (WSK-M2D419-17)	3 h 80 °C, 6.3mm thickness	≤ 6 %
water absorption (ASTM D 1056)		≤ 5 %
Outdoor weathering (ISO 877)	Surface brittle; Cracking	
Ozone resistance (ISO 1431-1)	Resistant to cracking (0)	

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Corrosion behavior (DIN 53 428)	On bare silver On bare copper	strong corrosion, wide corona strong corrosion, wide corona
Fire behavior	Combustible	
Temperature resistance	-30 °C to +80 °C, short term up to +90 °C	
Resistant to	Weak acids and bases, water, seawater, ethanol, methanol, acetylene, acetone, glycerine, silicone oil and fat, glycol, photographic chemicals, alum aqueous, detergent, formaldehyde, glycol-based antifreeze, urea, carbon dioxide, carbon monoxide, castor oil, soda aqueous, sodium silicate,.	
Partial resistant to	Acids and bases in higher concentration, ammonia, vinegar, isopropanol.	
Not resistant to	Strong acids and bases, fuels, oils, greases, test gasoline, chlorine, superheated steam, vaseline, natural gas and oil, solvents such as dichloromethane, methyl ethyl ketone, trichloroethene, toluene, cellulose thinners	

Processing

The most important processing parameters and information on cleaning are listed in our Information on Processing Adhesive Tapes.

Storage and shelf life

6 month after receipt of goods, when stored at room temperature (20 ± 3 °C) and 40 - 60 % relative humidity protected from sunlight, in original packaging.

Special Information

The data and technical information presented are characteristic or average data. All advices are given to the best of our knowledge. We reserve the right to make technical changes that are in the interest of progress. You are kindly requested to conduct your own tests to determine the suitability of our product for your application. Our General Conditions answer any questions on guarantees and liabilities for these products unless other legal regulations apply.

If you need further information about product safety, conformance, REACH or RoHS please send your e-mail to info@vito-irmen.de

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