

NR300, NR600, NR900, NR1200 Series Kemflex - NBR Foam Tape DATA SHEET



Product Description

Kemflex - NBR Foam Tapes are single-sided adhesive foam tapes made of a blend of PVC and Nitrile closed cell foam as a carrier coated with a solvent based acrylic adhesive with an easy peel release liner.

They are used widely in various sealing applications and are available in a range of thicknesses from 3mm to 12mm.

Typical Physical Properties

Property	Typical value	Test Method
Colour	Black	
Carrier	NBR foam	
Adhesive	Solvent acrylic	
Density (kg/m ³)	60-80	
Hardness (Shore 0)	7±3	
Force to Compress 50% (kPa)	74	ISO 844
Compression Set @25%/24 Hrs (%)	20	ISO 1856C
Tensile Strength (kPa)	455	JIS K 6301
Elongation (%)	91	JIS K 6301
Water Absorption (% w/w)	3.85	ASTM C272
Thermal Conductivity (W/mK)	0.038 @20°C	ASTM C518
Flammability	V-0, 5VA Class 1 Class 0 Class 1	UL94 approved ASTM E84 BS476: part 6 BS476: part 7
Recommended Service Temp(°C)	-40~ +100	
Recommended Application Temp(°C)	+5 ~ +40	

* **NOTE:** Some parameter values are not guaranteed and will differ from lot to lot.

Typical Applications

Used as gaskets and seals for various sealing and closure applications which include;

- air conditioning, refrigeration, thermal & acoustic insulation, weather stripping, automotive gaskets and seals, marine constructions (hatches)
- truck cabs, buses, off road vehicles, inspection hatches
- switchboards, body seals and general closure applications

Application Guide:

- Surfaces should be clean and dry before applying. Avoid touching adhesive surface before application. Press firmly to ensure good adhesion.

Disclaimer All figures shown above represent typical test results in laboratory conditions, and are given without guarantee since the conditions of use are beyond the control of our company. It is the customer's responsibility to satisfy itself that the product is fit for the purpose for which it intends to use it and that the actual conditions of use are suitable.

Available grades & sizes

- Colour: black
- Thickness: 3, 6, 9, 12mm
- Width: 12mm - 1000mm
- Length: 7.5, 9, 10, 15m
- Other sizes: available on request

Product Features

- ✓ Maintains water tight seal at a minimum of 25% compression.
- ✓ Durable acrylic adhesive and flexible foam combination confirms well on curved and irregular surfaces.
- ✓ Excellent bonding to most surfaces including metals, glass, plastics and woods.
- ✓ Good resistance to weathering, UV light and most chemicals.
- ✓ Excellent resistance to ozone, mildew and fungi.
- ✓ Remains flexible at a wide temperature range.

Storage

Material should be stored in dry area ideally at 21°C and 50% relative humidity out of direct sunlight.

Limited Warranty

We warrant the product to be free from defects in material and workmanship at the time of supply. For a period of one month from the date of delivery, if the product is proven to be defective for any reason, we will replace any portion complained of, or at our option, will refund the purchase price thereof. The user assumes all other risk if any, including the risk of injury, loss or damage, direct or consequential arising out of the use, misuse or inability to use this product. This warranty is in lieu of the warranties of merchantability, fitness for a particular purpose and all other warranties expressed or implied. No deviation is authorised.

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