

TECHNICAL DATA SHEET

DESCRIPTION

Rubber Flex is Flexible Elastomeric Foam made of Nitrile Butadine Rubber, from thickness 6 mm to 50 mm both in sheet (with or without self-adhesive) and in tube forms. The anti-microbial insulation is flexible throughout our product range.

TECHNICAL DATA

PRODUCT MECHANICAL PROPERTIES		
Model	Rubber Flex	
Material	FLEXIBLE ELASTOMERIC FOAM (NBR)	
Cell Structure	CLOSED CELL	
Density	50 - 70 Kg/m ³	ASTM C 302-13 (2022)
Thermal Conductivity (k) at 35 deg C mean temperature	0.0321 W/m-K	ASTM C518 -17
Operating Temperature Range consult salesperson for applications with temperatures below (-)40°C & higher than (+)105°C	-183 °C to +105 °C	ASTM C 534
Water Absorption	0.16 vol%	ASTM C534/C534M-20/ ASTM C 209-2015
Water Vapour Transmission	0.00 Perm in	ASTM E96 / 96M
Water Vapour Diffusion resistance factor (u)	>7300	ASTM E96 / 96M
REACTION TO FIRE		
Flammability	Self- Extinguishing	
Fire Rating	Part 6- Class O Part 7- Class I	BS 476
	FSI ≤ 25 SDI ≤ 50	ASTM E 84/ UL 723
ACOUSTIC PROPERTIES		
Noise Reduction Co-efficient	13 mm- 0.3	ASTM C 423-01
	19 mm- 0.35	
	25 mm- 0.45	