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 insulation is then finished with factory applied Clad facing as a finish product, which can be used for external applications. The facing will protect the insulation from UV rays and minor mechanical damages.

TECHNICAL DATA

PRODUCT MECHANICAL PROPERTIES		
Model	Rubber Flex® CLAD	
Material	FLEXIBLE ELASTOMERIC FOAM (NBR)	
Cell Structure	CLOSED CELL	
Density	50 - 70 Kg/m³	ASTM C 302- 13 (2022) / BS EN 1602: 2013
Thermal Conductivity (k) at 35 deg C mean temperature	0.0321 W/m-K	ASTM C518 -17
Operating Temperature Range Contact our Technical Team 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 (μ)	76,366	BS EN 12086:2013

FOIL PROPERTIEES		
Aluminium	20 Microns	400 Microns total.
Glass Fiber Cloth	485 ± 5% GSM	
Tensile Strength	660 N/25mm	ASTM D828
UV Rays	No change	Tested for 10,000 hrs. ASTM G 154-16

REACTION TO FIRE		
Flammability	Self- Extinguishing	
Fire Rating	Part 6- Class O Part 7- Class 1	BS 476
	FSI ≤ 25 SDI ≤ 50	ASTM E 84/ UL 723