

KM W0 NBR Insulation Sheet

Class 0 Thermal and Acoustic Protection

Material Description

KM W0 Nitrile Butadiene (NBR) Insulation Sheets uses the advanced “Gel Foaming” Technology, to form the completely closed foam structure. The unique raw materials also promote good fire resistance performance with low smoke and safe properties.

KM W0 NBR Insulation Sheet is easy to work with, being fiber-free, dust-free, anti-bacterial, and anti-mildew.

Key Performance Properties

- ISO 10140-2
- Good Temperature Resistance Range: -57°C to +125°C
- Excellent Water, Moisture and Vapor Resistance performance.
- Class ‘O’ Fire Rated, in compliance to BS 476: Part 7 & Part 6
- Low smoke, non-toxic, strong safety performance
- Long-term stability for various environment
- Resistance against Fungus Growth
- No Fiber, No Dust, Longer Life Span, Improving Indoor Air Quality

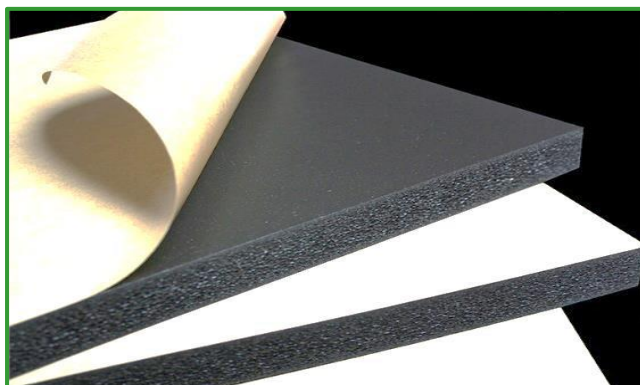


Technical Performance

Physical Properties		KM W0 NBR			Test Methods
Cell Structure		Closed Cell			
Density Kg/m ³		55 ± 5			
Thermal Conductivity	Mean Temp	-4°F (-20°C)	32°F (0°C)	104°F (40°C)	
BTU	K-value	0.22 (0.030)	0.23 (0.032)	0.26 (0.037)	
Water Vapour Permeability g/(m.s.Pa)		1.3 x 10 ⁻¹¹			
Moisture Resistance (μ value)		μ ≥ 15000			
Flammability Smoke Density		V-0			ANSI/ UL 94
		25/50			
		Self-Extinguishing			
		Class 0			BS 476: Part 7 & 6
		Pass			
Water absorption (weight %)		≤ 5			EN 1609: 2013 Method A
Flexibility		Excellent			
Ozone Resistance		No Crack			
Ecological Data		CFC- HCHC Free; Diphenyloxyde Free; Fomaldehyde Free			US EPA 5021A-2003
Service Temperature		-57°C to +125°C [-70°F to 257°F]			

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Material Sizes

Model	Thickness	Length	Width
W0	(mm)	(m)	(m)
W0S3	3	20	1.2
W0S6	6	20	1.2
W0S10	10	20	1.2
W0S13	13	15	1.2
W0S15	15	15	1.2
W0S19	19	10	1.2
W0S25	25	10	1.2
W0S30	30	10	1.2
W0S32	32	10	1.2
W0S35	35	5	1.1
W0S38	38	5	1.1
W0S40	40	5	1.1
W0S50	50	1.2 / 5	1.0 / 1.1



Packing

- Sheet available ranging from 3mm to 50mm in thickness.
- Available in Plain, with Adhesive Liner, and/or FSK Aluminum Foil Lamination

*Length differs with different thickness/interior dimension sizes. Please contact our Sales Representatives for actual dimensions.

Field of Application

KM W0 NBR Insulation Sheets are commonly used for thermal insulation, frost formation prevention, sound dampening and vibration dampening.

*Please consult our technical services for any further enquiries on application concern.

Colors Available

*Any color NBR materials can be customized