

# Nitrile PVC Sponge Rubber

Product Code: RC02109

## Key Features

- Flame retardant to BS476 Part 6 Class 0 specification
- Excellent thermal & acoustic insulation properties
- Eliminates condensation and prevents corrosion
- Excellent sealing against air, dust, and moisture

## Attributes



Flexible



Noise  
Reduction



Flame  
Retardant

Available in:



Full Rolls



Cut Strips



Bespoke  
Gaskets

## Technical Data

Property	Value
Compound	Nitrile / Polyvinyl Chloride
Hardness (Shore 00)	10° - 20°
Density	60 - 90 kg/m <sup>3</sup>
Tensile Strength	≥ 100 kPa
Tear Strength	≥ 0.2 kN/m
Elongation at Break	≥ 80 %
Compression Set (22 h @ 23° C, 50 %)	≤ 25 %
Compression Set (22h @ 40° C, 50 %)	≤ 40 %
Compression Deflection (25 %)	5 - 20 kPa
Compression Deflection (50 %)	35 - 65 kPa
Linear Shrinkage (after 24 h @ 70° C)	≤ 5 %
Dimensional Stability (after 3 h @ 80° C)	≤ 5 %
Reduction Sound Absorption (ISO 354:2003)	Up to 0.8 dB
Thermal Conductivity @ 0° C	0.034 W/(m·k)
Thermal Conductivity @ +20° C	0.038 W/(m·k)
Thermal Conductivity @ +40° C	0.038 W/(m·k)

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## Technical Data Continued

Property	Value
Temperature Range	-50° C to +85° C
Water Absorption (Max Weight Change)	0.2 %
Flame Rating (DIN 4102 B1)	Z-23.14-1142
Flame Rating (BS476 Part 6 1989)	Class 0
Flame Rating (UL94-V0 (> 3.3mm))	Yellow Card No E475316
Environmental Protection	CFC & HCFC Free
VDI 6022	Pass

## Approvals



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