

## TECHNICAL DATA SHEET

Product: IsoVibra Rubber  
Issue Number: 001  
Issue Date: Jan 2015

### **Product Information**

#### **Description**

The IsoVibra Rubber range are dense, rubber and foam rubber composites for use as impact sound and vibration isolators or cushioning underlay.

Colour: Anthracite  
Surface: Smooth.

#### **Application**

Available in various thicknesses, densities and hardness the IsoVibra range can be designed to reduce or eliminate specific vibration frequencies, allowing high performance solutions that are tailored to specific requirements.

#### **Appearance & Packaging**

Supplied in rolls or sheets in stock sizes (*dependant on thickness*):

- 5mm thickness : 1.25m x 8m
- 10mm thickness : 1.25m x 6m
- 12.5mm, 15mm & 20mm thickness : 1.25m x 1m

## Physical Properties

### IsoVibra Rubber Soft

Thickness:	5mm, 10mm, 12.5mm 15mm or 20mm ± 1.0mm
Density:	Approx. 400 - 500kg/m <sup>3</sup>
Tensile strength:	Approx. 0.2N/mm <sup>2</sup> (EN ISO 1798)
Elongation at Break:	70% (EN ISO 1798)

Suitable for use under compression stress:  $0.05\text{N/mm}^2 < \sigma_{\text{max}} < 0.10\text{N/mm}^2$

### IsoVibra Rubber Medium

Thickness:	5mm, 10mm, 12.5mm 15mm or 20mm ± 1.0mm
Density:	Approx. 500 - 600kg/m <sup>3</sup>
Tensile strength:	Approx. 0.4N/mm <sup>2</sup> (EN ISO 1798)
Elongation at Break:	70% (EN ISO 1798)

Suitable for use under compression stress:  $0.10\text{N/mm}^2 < \sigma_{\text{max}} < 0.20\text{N/mm}^2$

### IsoVibra Rubber Hard

Thickness:	5mm, 10mm, 12.5mm 15mm or 20mm ± 1.0mm
Density:	Approx. 600 - 700kg/m <sup>3</sup>
Tensile strength:	Approx. 0.6N/mm <sup>2</sup> (EN ISO 1798)
Elongation at Break:	60% (EN ISO 1798)

Suitable for use under compression stress:  $0.20\text{N/mm}^2 < \sigma_{\text{max}} < 0.30\text{N/mm}^2$

### IsoVibra Rubber Ultra

Thickness:	5mm, 10mm, 12.5mm 15mm or 20mm ± 1.0mm
Density:	Approx. 800 - 900kg/m <sup>3</sup>
Tensile strength:	Approx. 0.6N/mm <sup>2</sup> (EN ISO 1798)
Elongation at Break:	60% (EN ISO 1798)

Suitable for use under compression stress:  $\sigma_{\text{max}} < 0.30\text{N/mm}^2$

## Environmental Data

IsoVibra Rubber is manufactured from 100% recycled or diverted landfill rubber (ie: prime rubber manufacturing waste and car tyres with a proportion of binding agent). Rubber is a naturally occurring, sustainable material and IsoRubber Vibra is completely recyclable.

No blowing agents, CFCs or HCFCs are used during the manufacturing process.

Global Warming Potential : 0

Ozone Depletion Potential : 0

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If you require any further technical information please contact our Technical Department on 01582 544255.