



ISOMAT NR62

High Performance Vibration Isolation Material

Why Choose Farrat Isomat NR62?

Farrat Isomat is a range of natural, neoprene and nitrile rubbers moulded into innovatively designed, constant shape-factor sheets to provide load bearing vibration isolation. It is used regularly in both structural and industrial applications around the world as full sheets, strips and individual pads.

Isomat NR62 exploits the properties of the highest grade of 62-IRHD natural rubber to provide high levels of noise and vibration isolation with moderate damping, while maintaining a low dynamic to static ratio.

Features

- Materials tested and approved to BS 6177:1982 and BS EN 1337-3:2005
- Very high resilience and low damping qualities
- Low level of creep
- Long working lifetime (>60 years)
- Also available as nitrile rubber BR (for enhanced damping).

Can be supplied as full sheets, cut to size pads and strips (including holes and slots if required) according to the customer's requirements.

Applications

Farrat Isomat NR62 can be used in a wide range of vibration isolation applications, such as:

Full Area

- Full building isolation (raft-slab)
- Heavyweight partition support

Strips

- Light/Medium weight partition support
- Pre-cast concrete supports

Pads

- Acoustic floating floor isolators
- Anti-vibration pads
- Steel/timber frame isolation
- Vibration isolation for machinery/plant
- Isolated foundations for sensitive or high impact machinery

FARRAT ISOMAT NR RANGE:









Isomat NR62 used as floating floor isolators

Isomat NR62 used as steel column isolation

Isomat NR62 site applications:



For more information on using Isomat NR62 (including standard details), please see the following Farrat Technical Brochures:

- Floating Floors
- Full Building Isolation

Available to download at: www.farrat.com

CHARACTERISTICS	TEST STANDARD	PROPERTIES	UNIT
Hardness	BS ISO 48:2010	62 (+/- 3)	IRHD
Density	BS EN ISO 845	800	Kg/m ³
Tensile Strength	BS ISO 37:2011	27.3	N/mm²
Elongation at Break	BS ISO 37:2011	606	%
Compression Set (24hrs@70°C)	ISO 815-1:2008	25	%
Tear Resistance Trouser Method A	ISO 34-1:2010	16.7	kN/m
Static Shear Modulus	BS ISO 1827:2007	1.08	N/mm²
Creep	ISO 8013 : 2006	2.4	% per decade

CHARACTERISTICS	TEST STANDARD	PROPERTIES	UNIT
Static Compression Modulus, E _c	Varies with load/thickness – see graphs		
Dynamic to Static Ratio	Determined using in-house test methodology. Test pad dimensions: 75 x 75mm	2.3	N/A
Damping Ratio, C/C _c @ f _n		4.8	%
Max Static Pressure [Overload]		0.61 [0.92]	N/mm²
Max Residual Compression After Overload		2.0	%
Standard Sheet Size	+/-5%	1010x505	mm
Operating Temperature	N/A	-30 to +60	°C
Operational Life	N/A	60	Years





Key

,			
	50mm		37mm
••••••	25mm	•••••	20mm

AVAILABILITY			
THICKNESS	TREAD (Bottom/Top)	STOCK	
20 mm	lsomat/Plain	Non-Stock	
25 mm	lsomat/Treaded	Stock	
37 mm	lsomat/Plain	Non-Stock	
50 mm	Isomat/Treaded	Stock	

TYPICAL LEAD TIMES			
STOCK	NON-STOCK	BESPOKE	
2-3 working days	2-3 working weeks	4-6 working weeks	
If cutting is required add +5 days			



All information in this datasheet is for guidance only based on current knowledge and may be subject to change and correction.