



## **Neoprene Rubber Blocks**





Colour	Black
Hardness	60 +/-5 ShoreA
Tensile Strength	ЗМРА
Elongation	150% - 200%
Temperature Range	-30°C to 110°C
Surface	Smooth
Density	1.6g/cm <sup>3</sup>

- Good resistance to Grease and Oil
- Good ozone and U.V. resistance
- Suitable for outdoor applications
- Bearing Rubber



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## **Amended Report / Certificate**

This replaces previous Report / Certificate no.: INZ70598-01 dated 10/9/20.

Page 1 of 1

File Ref: INZ 70598

**TEST CERTIFICATE No.: INZ70598-01A** 

Client: NZ Rubber & Foam Ltd

Order No.: 020920

Sample Description: Rubber samples as supplied

Identification: As listed

Material Specification: Natural and Neoprene rubber

Tested in accordance with: Client Instruction

Test: The displacement and load of rubber samples supplied (100mm x 100mm x 20mm)

was measured as the sample was placed under compression.

Loading rate: 25mm/min

## Results:

Sam	nlo	Load	displacement	
Saiii	5mm 10mm 13m		13mm*	
Natural	kN	44.0	163.8	410.2
ivaturai	kg	4490	16700	41810
Neoprene	kŇ	26.0	95.3	265.4
Meoblene	kg	2650	9710	27050

Note:

Natural Rubber test was ended prematurely due to program parameters kN measurements rounded to 1dp. Kg measurements rounded to nearest 10kg

## Natural vs Neoprene

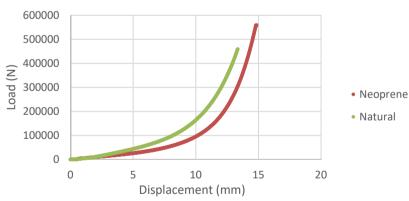


Figure 1: Compression load vs displacement

Acceptance Criteria: Report findings

Tested by: J. McClintock Reviewed By: Kelvin Chin Authorised By: Jen Sun Hong

Date: 7-Sep-20 11-Sep-20 Kelvin Chin 11-Sep-20 fen Sun Hong

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TEST REPORT No.: INZ70598-02 File Ref: INZ	70598	j
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Page: 1 of 1

NZ Rubber & Foam Ltd **TBD** Client: Order No.:

Machined Rubber Sample Description: Sample Identification: As listed Material Specification: Not supplied Sample Dimensions: As listed

ASTM D412 - 2006 Tested in accordance with:

Tensile: Reduced section Type: Specimen Axis: Not specified

Conditions: a. Temperature: Ambient (23 ± 5°C) b. Strain Rate: Uncontrolled c. L<sub>e</sub> = NA d. Ageing: NA

o Othor

Specimen	Dimensions (mm)			Yield Stress (R <sub>eL</sub> )	0.1% Proof Stress (R <sub>p0.1</sub> )	0.2% Proof Stress (R <sub>p0.2</sub> )	Ultimate Tensile Strength (Rm)	Original  Gauge Length (L <sub>o</sub> )	Elongation (A)	Reduction of Area (Z)	Comments
	DIAMETER (d)	WIDTH (b)	THICKNESS (a)	(MPa)	(MPa)	(MPa)	(MPa)	(mm)	(%)	(%)	
Natural		20.92	12.15				4				
Neoprene		19.87	11.69				5				

Report findings Acceptance Criteria:

Authorised By: Jen Sun Hong

Jen Sun Hong J. McClintock Reviewed By: Alistair Remmington

10-Sen-20

Alistair Permington Tested By: 10-Sep-20 Date: 8-Sep-20

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