

Schedule

Issue date: 10 October 2017
Valid until: 3 June 2019



MS ISO/IEC 17025

NO: SAMM 464

(Issue 2, 10 October 2017 replacement of SAMM 464 dated 13 April 2016)

LABORATORY LOCATION:
(PERMANENT LABORATORY)



**KOSSAN LABORATORY
KOSSAN INDUSTRIES SDN. BHD.
WISMA KOSSAN, LOT 782, JALAN SUNGAI PUTUS
OFF BATU 3 3/4, JALAN KAPAR
42100 KLANG, SELANGOR
MALAYSIA**

FIELD OF TESTING: MECHANICAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2005 (ISO/IEC 17025:2005).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Rubber/Elastomer (Vulcanizates/Products)	Tensile Properties a) Tensile Strength b) Elongation at break c) Modulus	ASTM D 412-15a ISO 37: 2011 JIS K 6251: 2010 AS 1683.11: 2001 DIN 53504: 2009 MS ISO 37: 2015
	Hardness a) Shore A b) IRHD	ASTM D 2240-15 ISO 7619-2: 2010 JIS K 6253: 2012 AS 1683.15.2: 1990 DIN 53505: 2000 MS ISO 7619-1: 2013
	Compression Set	ASTM D 395-14 ISO 815-1: 2014 JIS K 6262: 2013 AS 1683.13: 1992 BS ISO 815: 2014 DIN 53517: 1987 MS ISO 815-1: 2009

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of SAMM 464 dated 13 April 2016)**SCOPE OF TESTING: MECHANICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Rubber/Elastomer (Vulcanizates/Products) (continued)	Tear Strength (Angle, Crescent & Trouser Tear)	ASTM D 624-14 ISO 34-1 -15(E) DIN 53507: 1997 AS 1683.12: 2001
	Abrasion Resistance	ASTM D 5963-13 ISO 4649: 2010 DIN 53516: 1987 JIS K 6264-2(Method A):2005
	Preparation of Test Pieces	ASTM D 3183-10 ISO 23529: 2010 MS ISO 4661-1: 1998 BS ISO 4649: 2010 JIS K6264-2: 2005 (Method A)
	Ozone Resistance Test (Static)	ASTM D 1149-16 (Method B) ASTM D 1171-16 ISO 1431-1: 2012 JIS K 6259: 1993 DIN 53509: 1990 AS 1683.24: 2001
	Density Test	ISO 2781: 2010 (Method A) BS EN ISO 1183-1: 2004 (Method A) AS 1683.4.1992 (Method A)
	Effect of Liquids i) Change in weight ii) Change in volume iii) Tensile Properties iv) Hardness (Shore A)	ASTM D471-16 ISO 1817: 2015 (E) AS 1683.23: 2000 MS ISO 1817: 2015
	Rubber load Deflection Properties	ASTM D575-12
	Accelerated Hot Air Heat Aging	ASTM D 573: R2015 ISO 188: 2011 JIS K 6257:2010 DIN 53508: 2000 AS 1683.26: 2001 BS ISO 188: 2011 MS ISO 188: 2008
	Rebound Resilience	DIN 53512: 2000
	Adhesion Test	ASTM D429-14 (Method A)
	Low Temperature Brittleness	ASTM D 2137-11 (Method A)

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TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Rubber/ Elastomer (Vulcanizates with double rubber disc configuration)	Dynamic shear modulus and damping	EN 15129, Clause 8.2, 4.2, 5.2 & G.5

Signatories:

1. **Sharmila K. Gill**
2. **Tan Eng Teck**

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SCOPE OF TESTING: FIELD1 / FIELD2 / FIELD3

SITE: CATEGORY I / II / III (if applicable)

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques

Signatory(ies):

1. **Abc Xyx**
- 2.
- 3.

IKM No.: (Chemical Testing Only)

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