

Schedule


Issue date: 03 September 2025
Valid Until: -



NO: SAMM 473

(Issue 2, 03 September 2025 replacement of SAMM 473 dated 06 April 2025)

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LABORATORY LOCATION/ CENTRAL OFFICE:	CTRM Testing Laboratory Sdn. Bhd. Composites Technology City Behind Batu Berendam, 75350 Melaka , 75350, MELAKA MALAYSIA
	
ACCREDITED SINCE :	03 SEPTEMBER 2025
FIELD(S) OF TESTING:	CHEMICAL MECHANICAL THERMAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

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).

CENTRAL LOCATION:	CTRM Testing Laboratory Sdn. Bhd. Composites Technology City Behind Batu Berendam, 75350 Melaka , 75350, Melaka
FIELD(S) OF TESTING :	CHEMICAL, MECHANICAL, THERMAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Composite Materials	Density and Specific Gravity	ASTM D792-20
Fibre Reinforced Plastic	Apparent Interlaminar Shear	BS EN ISO 14130: 1998
Fibre-reinforced Plastic	None	BS EN ISO 527-5: 2021
Glass Fiber Reinforced	Interlaminar Shear Strength	ABT 1-0006
	Fiber Volume Fraction test	ABT 1-0018
Honeycomb Comb Materials	Beam Flexure	ASTM C393/C393M-20
	None	None
	None	None
	None	None
	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	None	None
	None	based on MS 417: Part 2: 1994 (First
	Vickers Hardness 1 gf to 30 kgf (0.1 kgf and 1 kgf load)	E384-2017
	ii Lead (Pb)	None
	None	on BS EN 14084:2003
	None	based on MS 417: Part 3: 2020,
	None	Analysis: The Johan Kjeldahl
	None	based on MS 417: Part 3: 2020,
	N)	Analysis: The Johan Kjeldahl
	None	based on MS 417 Part 7:2020,
	Fertilizers	None
	None	None
	Vickers Hardness 1 gf to 30 kgf (0.1 kgf and 1 kgf load)	E384-2017
	None	None
	Volume Resistance or Resistivity	ANSI/ESD STM 11.12-2015
	None	None
	None	Method)
	None	Based on MS 417: Part 2 : 1994
	None	1: Atomic Absorption
	None	Method)
	None	Based
	None	on MS 417-3: 2020, Clause 12,
	None	Based on MS 417-4: 2020, Clause
Plastics -unidirectional	(Room Temperature)	Issue 2, August 1995
	Interlaminar Shear Strength	ABT 1-0006
Polymer Matric Composites	Glass Transition Temperature	ASTM D7028-07 (2015)
Reinforced	None	None
Reinforced Plastic	Strain	None
Reinforced Plastics	None	Calcination Method A
Rigid Plastics	None	None
Textile Glass Reinforced	Constituent Content	ASTM D3171-15
Unidirectional Carbon Fibre	Textile-Glass Content	ISO 1172: 1996 (E)
Unidirectional Fibre	In Plane Shear Stress/Shear	BS EN ISO 14129: 1998
Unreinforced And	Compression Properties	ASTM D695-15

SCOPE OF TESTING : MECHANICAL

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Adhesives	Honeycomb Peel Strength	ABT 1-0008
Carbon Fiber Reinforced	Interlaminar Shear Strength	ABT 1-0006
	Interlaminar Shear Strength	ABT 1-0006
	Fiber Volume Fraction test	ABT 1-0018
	Fiber Volume Fraction test	ABT 1-0018
	Transition Temperatures and	ASTM D3418-21
Composites	None	None
	None	None
	Strength	None
Honeycomb Core	Determination of	ABT 1-0007
Isotropic And Orthotropic	Tensile Properties	ISO 527-4: 2021
Plastics	(Room Temperature)	Issue 2, August 1995
	Interlaminar Shear Strength	ABT 1-0006
	(Room Temperature)	Issue 2, August 1995
	Interlaminar Shear Strength	ABT 1-0006
	None	Issue 4, January 2014 (Method A)
	None	Issue 4, January 2014 (Method B)
	(Reinforcement Content, Void	Test Method and Procedure B -"
	Enthalpies of Fusion and	None
	Flexural strength	ASTM D790-17
	None	M03-001, Based on Manual
	Identification of Certain Plastics	JKM K 0401
	Melt mass flow rate (MFR)	ISO 1133-1: 2011 (R 2016)
	Temperature of deflection	ISO 75-1: 2013
semi-crystalline polymers by	ISO 3146:2022 (Method A)	
semi-crystalline polymers by	ISO 3146:2022 (Method A)	
Plastics - Unidirectional	None	Issue 4, January 2014 (Method A)
Polymeric Matric	Tensile Properties	ASTM D 3039/D 3039M-17

SCOPE OF TESTING : THERMAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques

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