

Test Report



Report No. : KV-25-02116A

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Innuance Date : Apr. 21, 2025

Reissuance Date : Apr. 21, 2025

UNIHARDNESS CO., LTD.
7F.-2, No.105, Jianguo Rd., Nantou City, Nantou County 540, Taiwan (R.O.C.)

Product Name SiC
Product Type apache-1229
Product Color Gray black
Product Submitted By UNIHARDNESS CO., LTD.
Date of Sample Received Mar. 11, 2025
Date of Testing Mar. 11, 2025~Apr. 21, 2025
Remark The information mentioned in the above section and the following report content marks # are provided by Client.(Exclude Test Witnessed By, Test Method, Number of test, Date of Sample Received and Date of Testing)

TEST RESULTS :

Test Item	Test Method	Test Result
Thermal Conductivity [W/(m·K)]	ISO 22007-2 : 2015	174.8
Coefficient of linear thermal expansion(1/°C)	Ref. ASTM E831-19	(23~200°C) 3.266×10 ⁻⁶
		(23~500°C) 3.913×10 ⁻⁶
Surface Resistance (Ω)	JIS K6911 : 1995 (500 V/sec)	4.34×10 ⁷
Moh's hardness	CNS 3299 : 2006	9
Flexural Strength (MPa)	ASTM D790-17 Procedure AI	337

Remark : 1.Item Description : as the same as the sample name.
 2.The testing site is the same as the laboratory address.
 3.This Test Report is an additional original report of KV-25-02116. Issued date : Apr. 21, 2025.

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Signed for and on behalf of
SGS Taiwan Ltd.

The required specification(s) offered in this test report is/are for reference only.
 The conformity judgment is at the Applicant's final verdict.

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