

TECHNICAL DATA

-MODIFIED ACRYLIC SOLID SURFACE

Test item(s)	Test method(s)	Test result(s)	
Absorption by weight	Absorption by weight Refer to ASTM C97/C97M-15	0.07%	
Density		1794 kg/m ³	
Abrasion resistance (polished)	Refer to ASTM C241/C241M15ε1	32	
Stain resistance test (polished)	Refer to ANSI Z124.6-2007 Section 5.2	Total stain resistance value: 52 Maximum individual depth of staining: 0.04mm	
Refer to ANSI Z124.6-2007 Section 5.4	Refer to ANSI Z124.6-2007 Section 5.4	After test, there were visible stains remains which can be restorable by clean cheesecloth and water.	
Heated pan test (polished)	Refer to ANSI Z124.6-2007 Section 5.6	After test, the sample had no visible blister, crazing, or color change in the surface.	
High temperature resistance (polished)	Refer to NEMA LD-3-2005	No effect	
Chemical resistance test (polished)	Refer to ANSI Z124.6-2007 Section 5.5	No effect	
Light Aging Test - Xenon Lamp Exposure	Refer to ANSI Z124.6-2007 section 5.1 & ASTM D256599(2008) & ASTM D2244-16 and client's requirement	Pass	
Thermomechanical Analyzer	Refer to ASTM D696-16	-30°C ~ 30°C: 31.84×10 ⁻⁶ (1/°C)	
Surface Burning Characteristics	ASTM E84-17	Class A	
Volatile Organic Compounds	SGS In-house method	Pass	
Barcol Hardness	ASTM D2583-13a	5100.00%	
Flexural Test	With reference to ASTM D790-17 Procedure A and client's requirement	Flexural Strength	55.5MPa
		Flexural Modulus	10200MPa
Rockwell Hardness	ASTM D785-08(2015) Procedure A	95	
Tensile Modulus	ASTM D638-14	10700MPa	
Tensile Strength	ASTM D638-14	35.1MPa	
Antimicrobial activity test	Refer to ASTM G 21-15	0 Grade	
Assessment of Antimicrobial activity	Refer to ASTM E 2180-07 (Reapproved 2012)	99.80%	

*Note: The technical data may vary from samples and colors.

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