

CLIENT: Soft Chemical Co., Ltd
63, Geumhoseonmal-gil, Bugang-myeon,
Sejong-si,
Republic of Korea

Test Report No: TJ5233-3	Date: May 24, 2018
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SAMPLE ID: Sample identified as: “**ACRYLIC SOLID SURFACE / MATERIAL: ATH, PMMA**”

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on February 7, 2018

TESTING PERIOD: March 9 – May 24, 2018

AUTHORIZATION: Testing was authorized by proposal 17SP112101 signed by June Lee on November 21, 2017

TEST PROCEDURE: Tested to NEMA Standard Publication LD3-2005, High-Pressure Decorative Laminates, Section 3.10 – Radiant Heat Resistance.

TEST RESULTS: Detailed test results are presented in the subsequent pages of this report.

Prepared By

**Signed for and on behalf of
QAI Laboratories, Inc.**



Rocky Hale
Material Test Technician

Project Manager

NEMA Standards Publication LD 3-2005, High-Pressure Decorative Laminates Section 3.10 - Radiant Heat Resistance.

Conditioning: All specimens were stored in ambient laboratory conditions, 73.4±3.6°F (23±2°C) @ 50±5% Relative Humidity for a minimum of 48 hours prior to testing.

Procedure: Three (3) specimens measuring 8 inches by 8 inches were cut from the submitted samples, cleaned, and inspected for defects and surface blemishes. A resistor heating element as described in NEMA LD 3 Section 3.10.2.1 was adjusted as per Section 3.10.2.3 in order to produce an output between 552.2° and 561.2° F (289° and 294° C). The specimens were then placed in a draft free cabinet, and the resistor heating element was placed on top of it. Timing of the test duration began as the heating element was placed on the specimen. During the test duration, the specimen was visually observed for evidence of blistering, charring, permanent discoloration or crazing. The test is run for a period up to 600 seconds or until failure is noted. This test procedure was repeated two more times on areas of the specimen no less than 4 inches from any other test location on the specimen.

Results:

Test #	Observations
1	386 seconds: evidence of Blistering
2	374 seconds: evidence of Blistering
3	399 seconds: evidence of Blistering
<u>The specimen has a Radiant Heat Resistance of: 386 seconds</u>	

***** END OF TEST REPORT *****