

1. Test method

• NEMA LD3 – 3.6

The test measures the ability of the surface of high-pressure decorative laminate to maintain its color and surface finish when subjected to a high temperature.

• Test sample

The sample shall be a minimum of 200 X 200 mm(8X8 inches)

• Test procedure

- a. Examine the test specimen carefully prior to the test and note the conditions of the color and surface finish.
- b. Fill the heating vessel from 1/2 to 2/3 full with bath wax. Heat the wax until it reaches a temperature of 185 °C. Do not overheat as fire may result. Using the tongs, remove the vessel from the hot plate and allow the wax to cool to 180 °C. Then place the vessel, using the tongs, on the test specimen and allow it to remain in place for 20 minutes.
- c. Remove the vessel with the tongs and allow the specimen to stabilize at room temperature for a minimum of 24h.
- d. Clean the specimen with acetone to remove residual wax. Examine the conditioned test specimen by placing it, without preinspection, on a table and then view it at an eye-to-specimen distance of approximately 750 to 900 mm and at an angle of approximately 45° to 75° from the horizontal (table surface). The specimen shall be rotated in the plane of the table and viewed from all directions. Direct sunlight or other angle light sources, which will accentuate or minimize the effect, shall be avoided.

2. Test result

Blisters	Crazing	Whitening	Cracking	Dulling
No effect	No effect	No effect	No effect	No effect

* No Effect : No change in color or surface finish

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