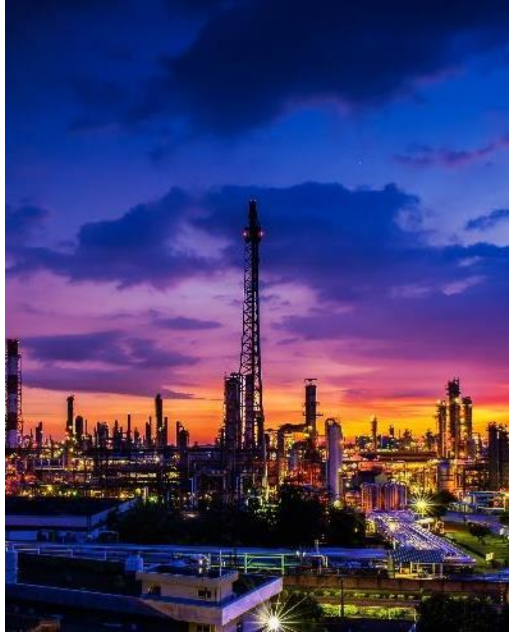



DRYING TIME OF PTM6000HV-SP

November 8, 2024

Honeywell

DRYING TEST FOR PTM6000HV-SP PASTE

Test description

- Substrate: Cu plate in 0.8 mm thick
- Thickness of PTM6000HV-SP paste: 0.1 mm
- Dimension of PTM6000HV-SP paste after printing: 110x62 mm
- Drying temperature:
  - a) 23± 5°C
  - b) 100± 5°C
- 5 pcs of specimen was tested as parallel

Test procedure

a) Clean the stencil and let it dry at room temperature
b) Cu plate and stencil were loading on a jig one by one
c) Tighten screws and fix the position of stencil and Cu plate
d) Print PTM6000HV-SP paste manually to get a specimen
e) Weigh the specimen
f) Keep the specimen at target temperature
g) Collect the weight of specimen at a certain interval respectively and measure the weight loss

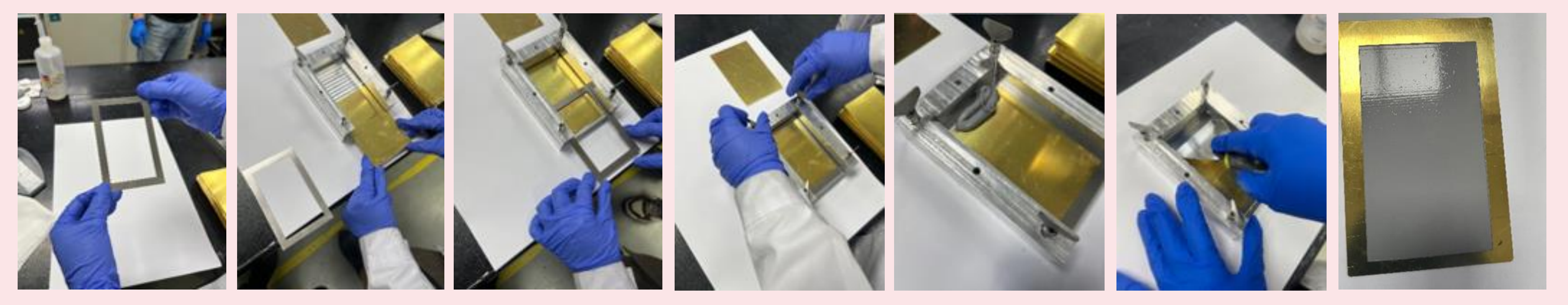
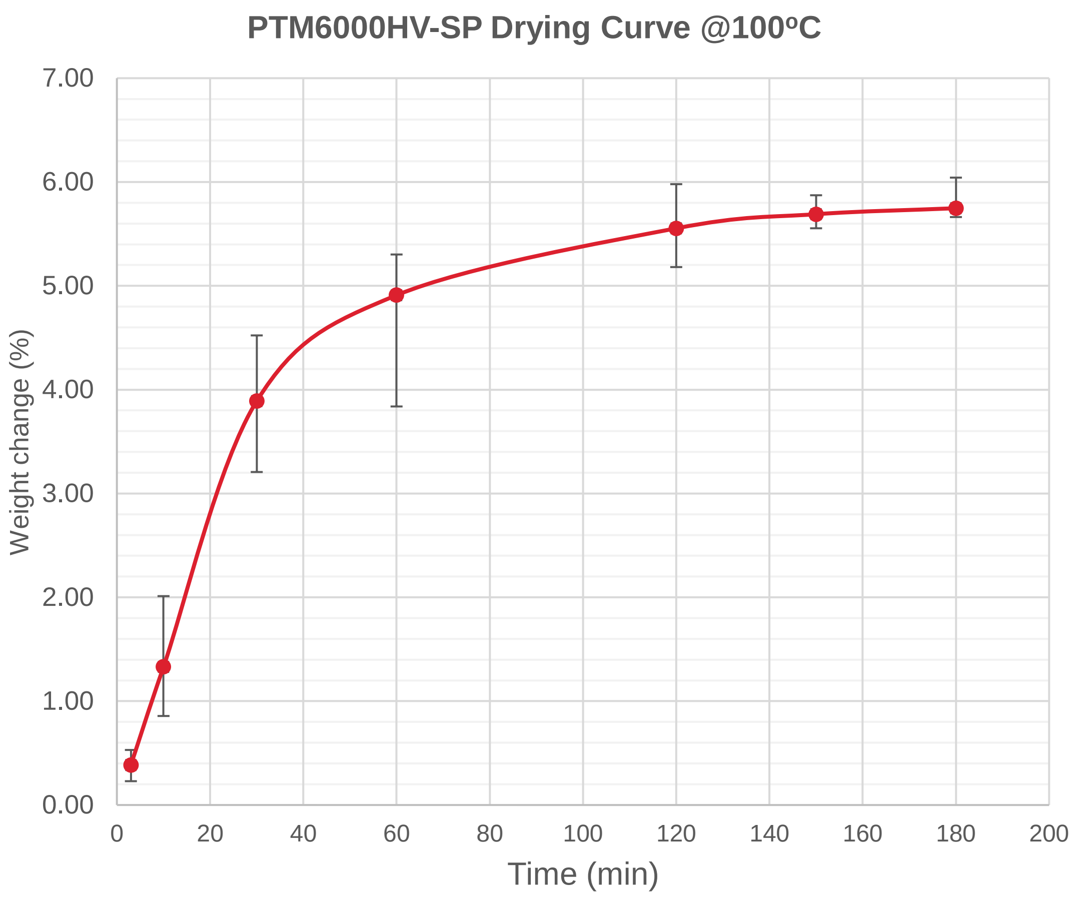
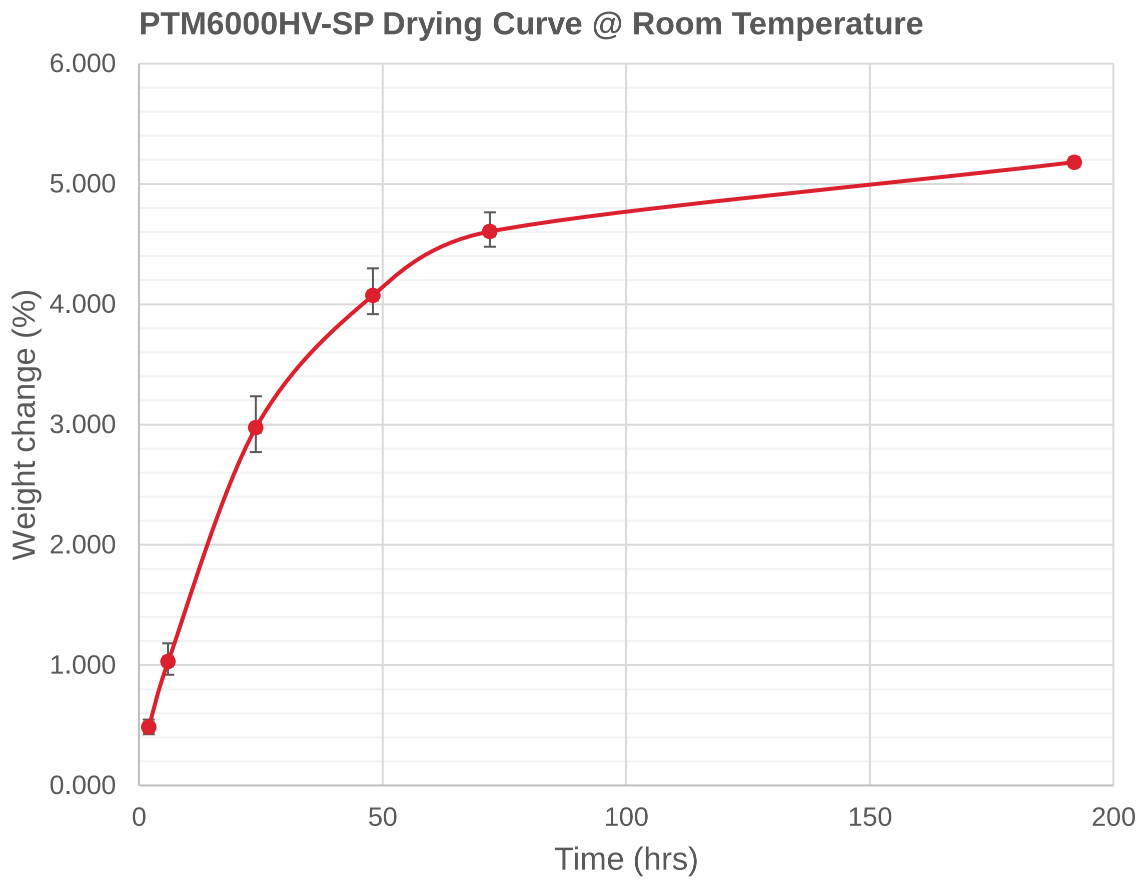


Figure 1.
Printing process

WEIGHT LOSS OF PTM6000HV-SP





DRYING TEST FOR PTM6000HV-SP PASTE

Test description

- Substrate: Cu plate in 0.8 mm thick
- Thickness of PTM6000HV-SP paste: 0.1 mm
- Dimension of PTM6000HV-SP paste after printing: 92x53 mm as figure 2
- Drying temperature:
  - a) 60± 5°C
  - b) 70± 5°C
  - c) 80± 5°C
- 5 pcs of specimen was tested as parallel and mean value is reported

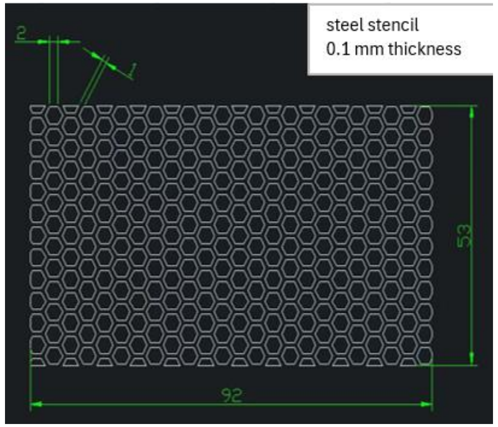


Figure 2.
Drawing of printed pattern

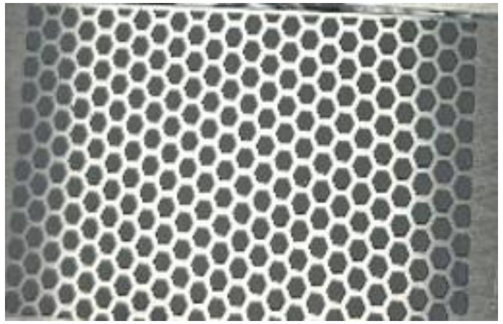


Figure 3.
Test specimen with PTM6000HV-SP in honeycomb pattern

Test procedure

a) Clean the stencil and let it dry at room temperature

b) Cu plate and stencil were loading on printing equipment

c) Automatic print PTM6000HV-SP paste to get a specimen

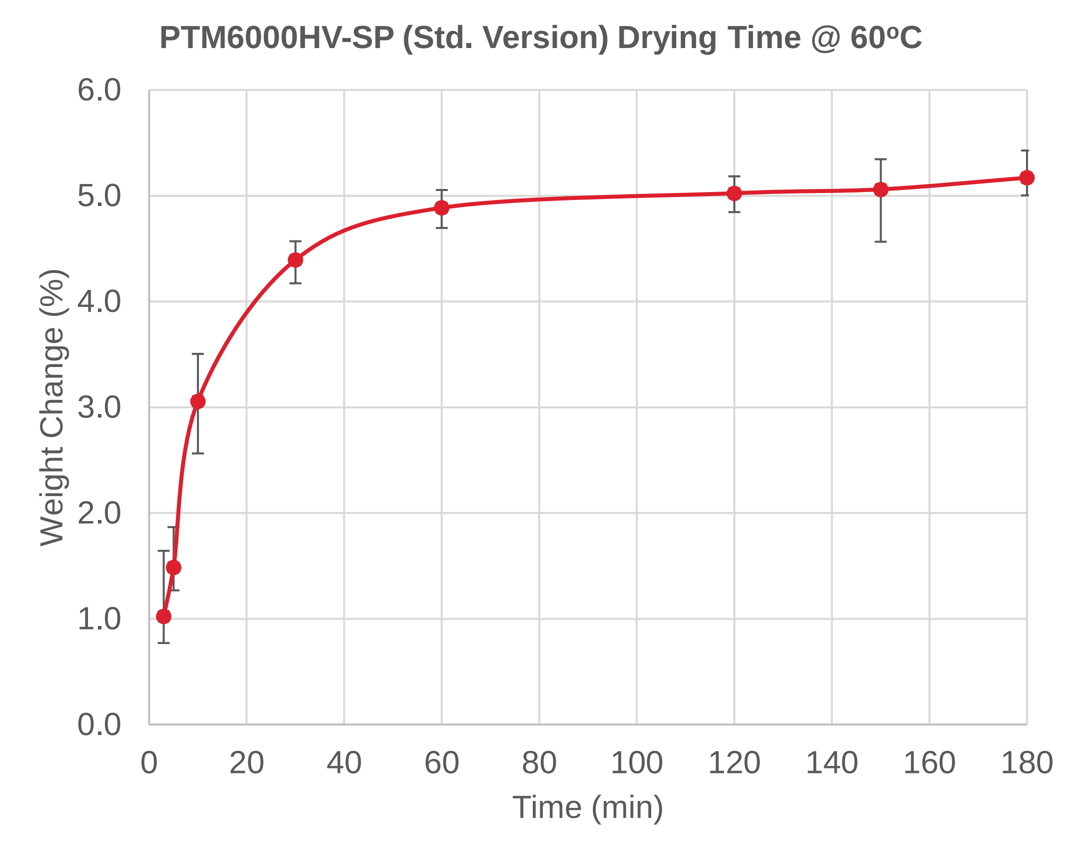
d) Weigh the specimen

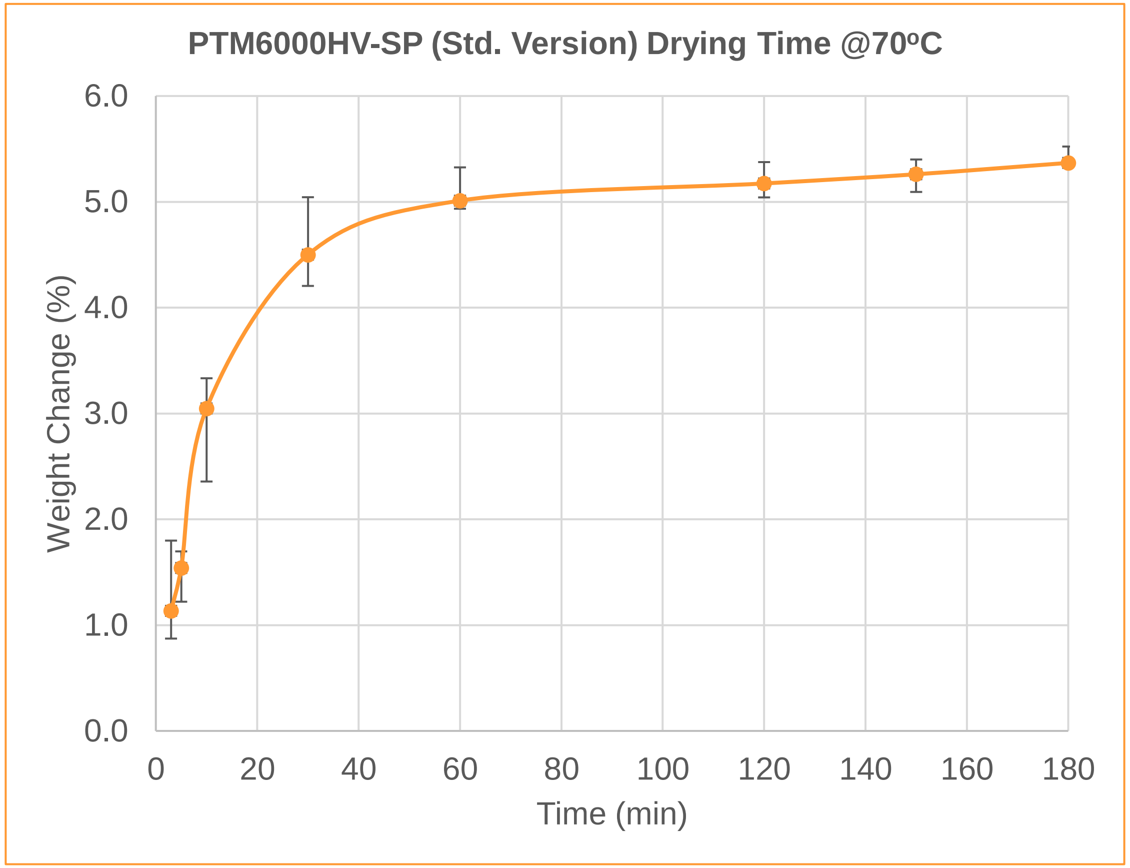
e) Store the specimen at target temperature

f) Collect the weight of specimen at a certain interval respectively and record

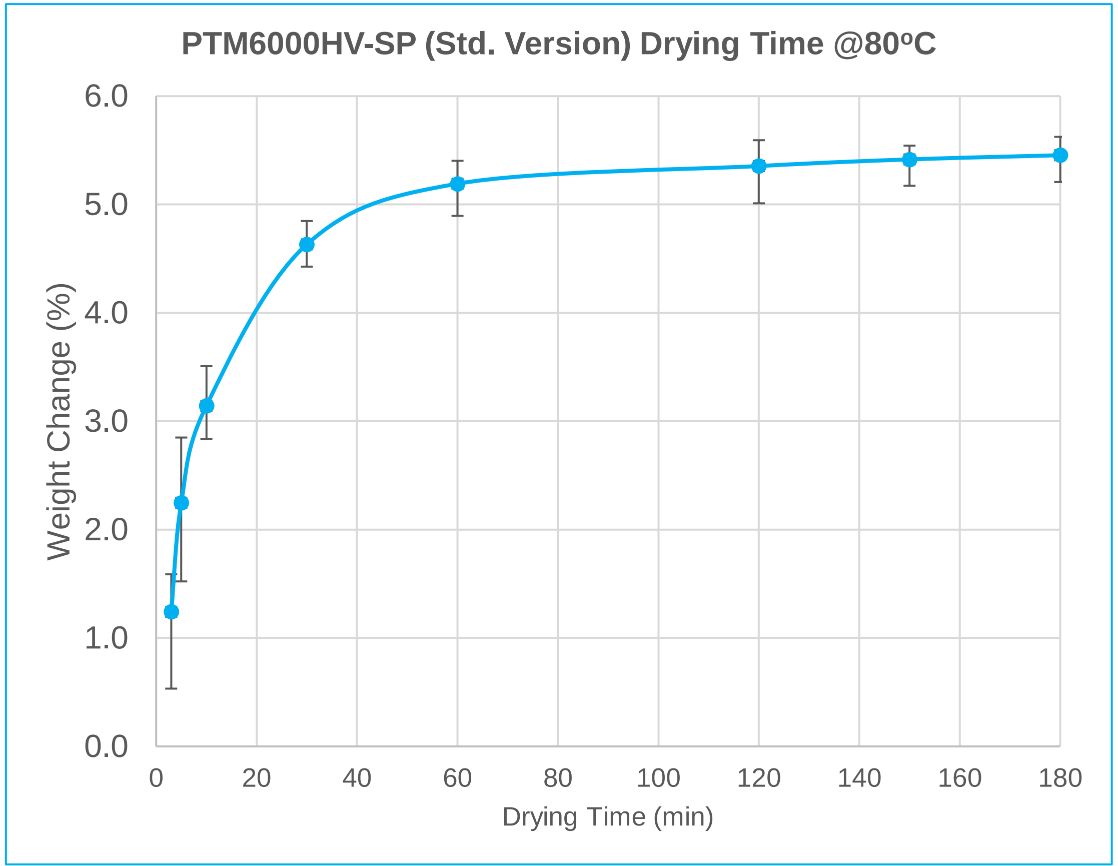
g) Get weight loss result by calculation

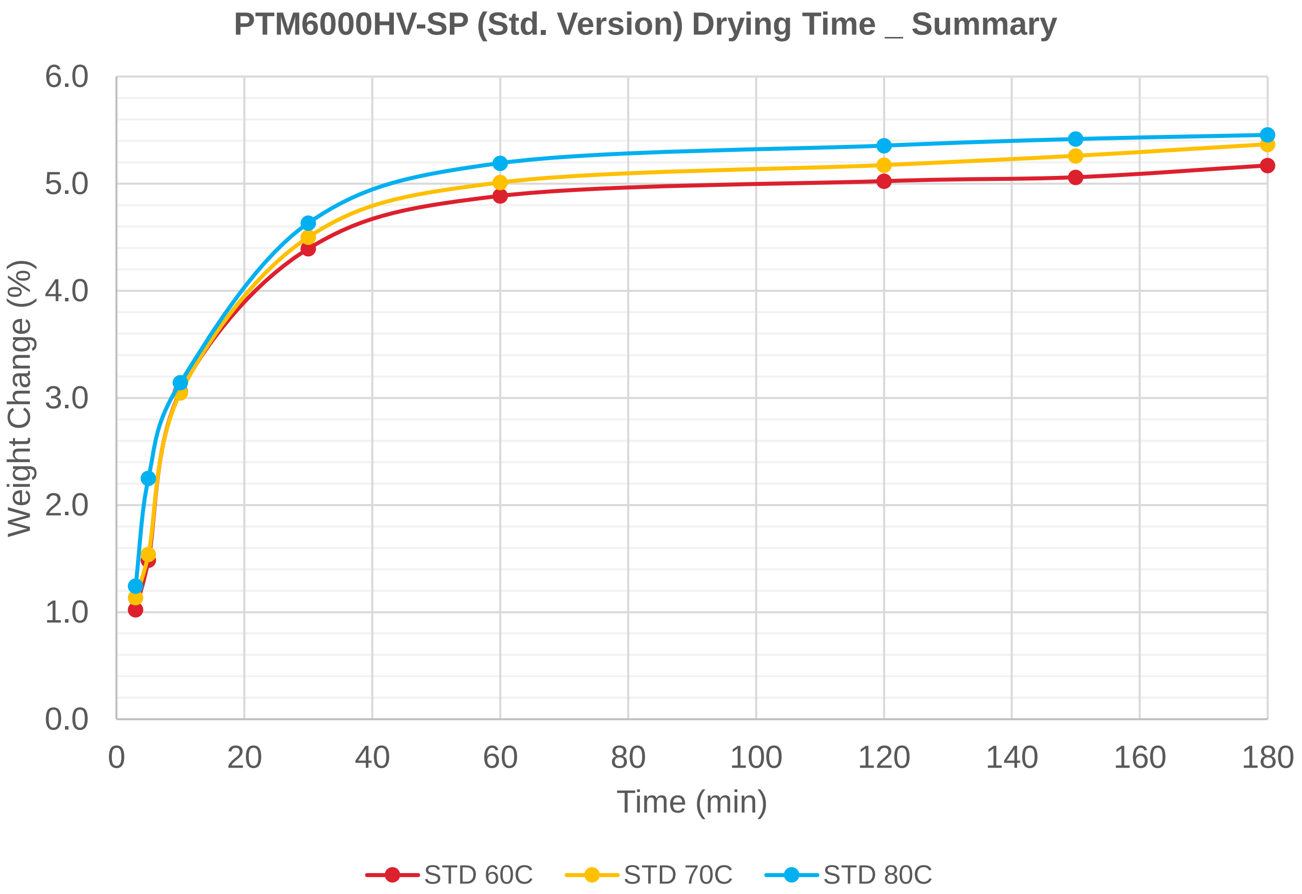
TEST RESULT OF STANDARD VERSION (1)



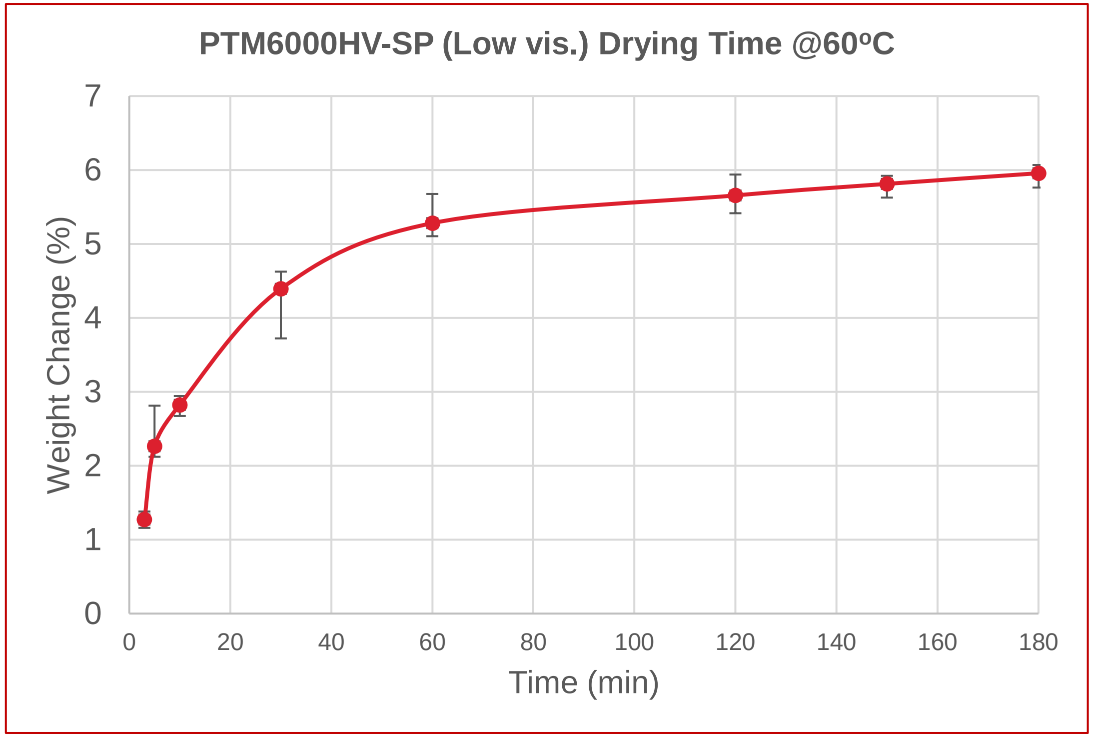


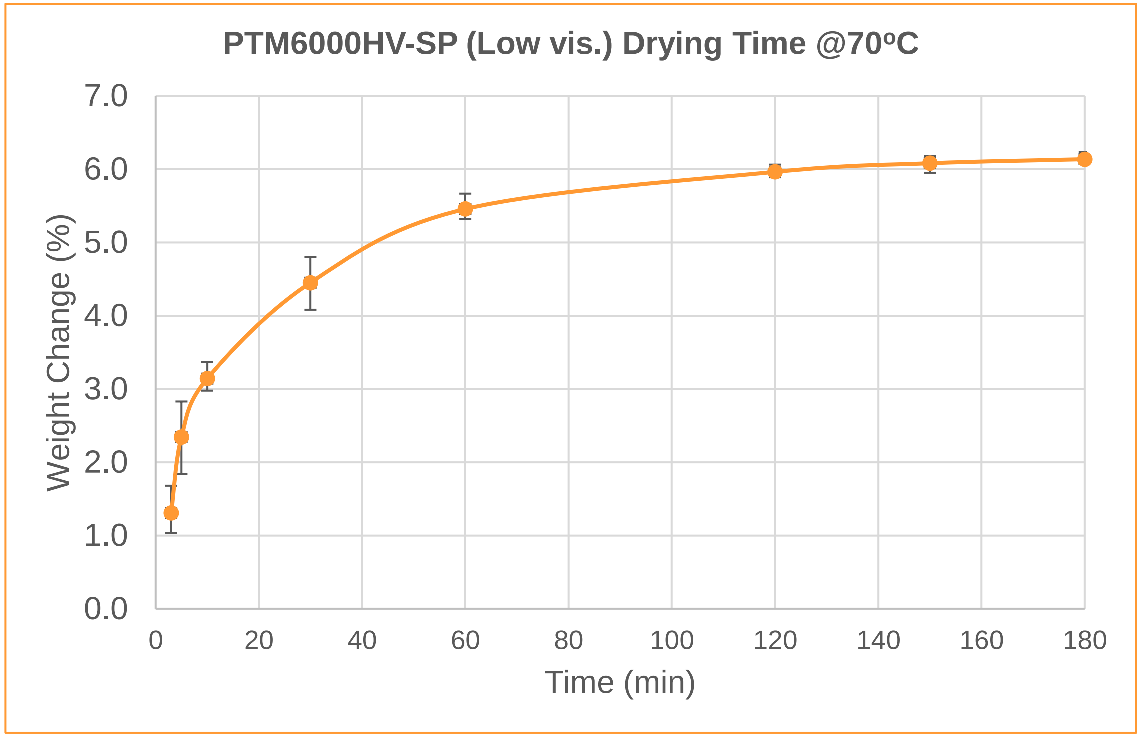
TEST RESULT OF STANDARD VERSION (2)





TEST RESULT OF LOW VISCOSITY VERSION(1)





TEST RESULT OF LOW VISCOSITY VERSION(2)