

Figure 1. Polyamide films deposited by MLD on ZrO_2 nanoparticles. Depositions were performed at 67 °C with adipoyl chloride and ethylene diamine and showed a growth rate of 4 Å/cycle. A) 10 cycles, B) 30 cycles and C) 60 cycles of polyamide MLD are shown here.

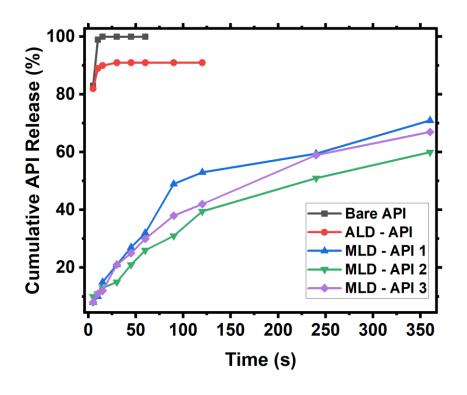


Figure 2. Dissolution curves of API coated with no coating, ALD-only coating and MLD coating in a pH 5.5 phosphate buffer solution. The MLD-coated API shows an obvious extended release of the powder compared to the near immediate release by with the ALD-only and bare API.