

# Statement of Composition for Toy Applications **CERTIFICATE**



**HP Inc.**  
**HP 3D600/3D700/3D710 Fusing and Detailing Agents and**  
**HP 3D High Reusability PA 12**  
**Statement of Composition for Toy Applications**

Parts made with HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D High Reusability PA 12 have undergone the following tests:

1. Heavy Metal: No metals were detected in the study with a limit of detection of 2.5 ppm. The submitted samples comply with the soluble heavy metals requirements according to section 4.3.5.2 2(b) of ASTM F963-11.
2. Phthalates: No phthalates were detected down to 0.005% in the study. The submitted sample passed the applicable requirements for phthalates as recommended by the Consumer Product Safety Improvement Act of 2008, Section 108.
3. Bisphenol A (BPA): No Bisphenol A was detected in the sample down to 0.1 ppm.
4. In-polymer analysis: No unknown components were detected. All detected components were of the nylon polymer.
5. Migration study: The migration study with synthetic saliva and gastric fluid revealed no verifiable components leaching from the investigated material under room temperature conditions. The components detected performing the in-polymer investigations did not appear in the migration simulants. In addition, no additional compounds or unknowns were detected.

HP believes that the testing referred to above is typical of parts produced with HP 3D600/3D700/3D710 Fusing and Detailing Agents<sup>1</sup> and fresh HP 3D High Reusability PA 12 powder<sup>2</sup> on HP Jet Fusion 3D 4210/4200 Printing Solutions.

It is the responsibility of each customer to determine that its use of HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D High Reusability PA 12 powder is safe and technically suitable to the customer's intended applications and consistent with the relevant regulatory requirements applicable to the customer's final product. HP's testing focused on the chemical composition of the printed parts and

did not focus on physical requirements such as choking hazards. It is the responsibility of each customer to conduct their own testing to ensure that physical, mechanical, flammability, microbiological, acoustic, electrical, temperature, magnetism, and other relevant requirements for toys are met for their final product. Results may vary if the testing is performed under different conditions than those existing at HP's laboratories at testing time and those that applied for the purposes of the tests above. HP cannot guarantee compliance of HP 3D600/3D700/3D710 Fusing and Detailing Agents, HP 3D High Reusability PA 12 powder, or any printed parts made with HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D High Reusability PA 12 with any legislation or industry standard that may be applicable to toys. Because of possible changes in the relevant industry standards, FDA and EU guidance, and other legal or regulatory requirements, as well as possible changes in HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D High Reusability PA 12 powder, HP cannot guarantee that the status of HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D High Reusability PA 12 powder will remain unchanged.

For additional information about HP 3D600/3D700/3D710 Fusing and Detailing Agents and HP 3D High Reusability PA 12, please contact our HP 3D Printing Materials team at [3dmaterials@hp.com](mailto:3dmaterials@hp.com).



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1. 2-Methyl-2H-isothiazol-3-one is present in the HP 3D600/3D700/3D710 Fusing and Detailing Agents at <0.1% by weight in these formulations. Safety data sheets are available at [www.hp.com/go/ecodata](http://www.hp.com/go/ecodata).
  2. Testing performed with 100% fresh powder.

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