
Regulatory Information Sheet

colorFabb nGen_FLEX

Date of issue: April 9, 2020
Version: v1.0



colorFabb nGen_FLEX printing filament is produced with Eastman Amphora 3D Polymer FL6000, which is in compliance with the following legal requirements (in each case including all amendments in their currently valid versions):

REACH

(Regulation (EC) No. 1907/2006 on the Registration, Evaluation and Authorisation of Chemicals (REACH) - Substances of Very High Concern)

With reference to the SVHC Candidate List, as amended up to and including the 16 January 2020 update, this product placed on the market in the European Union is not known to contain any substances listed on the candidate list of Substances of Very High Concern (SVHC) in concentrations greater than or equal to 0.1% or those otherwise established under paragraph 6(b) of Article 56. Therefore, it also would not contain substances included in Annex XIV.

Perfluorooctane Sulfonates

(Directive 2006/122/EC (Relating to Restrictions on the Marketing and Use of Certain Dangerous Substances and Preparations (perfluorooctane Sulfonates), as amended)

This directive is superseded by amendments to Regulation (EC) No. 1907/2006 Annex XVII (Restrictions on the Manufacture, placing on the market and use of certain dangerous substances, preparations and articles). Perfluorooctane sulfonates & salts & esters are listed with a restriction of <0.005%. We do not analyse this product for these substances. We do not add these substances to the end product, and we do not expect that these substances will be formed during manufacturing or under normal handling, storage and use conditions. Based on our knowledge of our raw materials and manufacturing processes, we have no reason to expect that these substances would be present.

Packaging waste

(Directive 94/62/EC, Packaging and Packaging Waste (amended by 2004/12/EC, 2005/20/EC, and Regulation (EC) No 219/2009))

This statement covers the following heavy metals (or their compounds): Cadmium (Cd), Hexavalent chromium (Cr (6+)), Lead (Pb), Mercury (Hg). Based on our knowledge of the raw materials and the manufacturing process, it is unlikely that any of these elements would be present in this product in concentrations exceeding the legislation limits.

Animal origin

(Substances of Animal Origin Regulation 999/2001, as amended)

Based on our knowledge of the raw materials and processes used in the manufacture of this product, we have no reason to expect that animal-derived or bovine-derived materials are present in this product.

Non-GMO

(Directive 2001/18/EC and Regulations 1829/2003 and 1830/2003 (Genetically Modified Organisms), as amended)

Based on our knowledge of the raw materials or based on supplier information, this product is considered not genetically modified or not derived from a genetically modified organism as defined in these regulations.

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Phthalates

(Directive 2005/84/EC, Commission Decision 1999/815/EC (Phthalates), as amended)

No esters of phthalic acid (also known as ortho-phthalic acid or diesters of 1,2-benzenedicarboxylic acid) are used in the manufacture of this product. This Directive states that certain phthalates shall not be used as substances or as constituents of preparations, at concentrations of greater than 0.1% by mass of the plasticised material, in toys and childcare articles. The listed phthalates are as follows: bis(2-ethylhexyl) phthalate (DEHP); dibutyl phthalate (DBP); benzyl butyl phthalate (BBP); di-iso-nonyl phthalate (DINP); di-isodecyl phthalate (DIDP); di-n-octyl phthalate (DNOP). We do not analyse this product for these phthalates. However, these substances are not used as a raw material, nor are they added to the manufacturing process or the end product.

Ozone Layer

(Regulation (EC) No. 1005/2009 on Substances that Deplete the Ozone Layer)

Eastman Chemical does not analyse this product for ozone depleting substances (ODS) that are classified as such by this legislation. Based on our knowledge of the raw materials and our manufacturing process, we do not expect the listed substances to be present in our product.

ELV

(Directive 2000/53/EC (End of Life Vehicles - ELV), as amended)

These substances are not used as a raw material, nor are they added to the manufacturing process or the end product. Further, these substances would not be formed during manufacturing or under normal handling, storage and use conditions. This statement covers the following heavy metals (or their compounds): Cadmium (Cd), Hexavalent chromium (Cr (6+)), Lead (Pb), Mercury (Hg). We have not specifically analyzed this product for the presence of these substances. Based on our knowledge of the raw materials and the manufacturing process, it is unlikely that any of these elements would be present in this product in concentrations exceeding the legislation limits. This product or component is not declarable substance on the Global Automotive Declarable Substances List.

RoHS

We do not routinely analyze our product for the substances restricted by this regulation. However, we do not expect that these substances would be present in this product above the specified limits: Cadmium (Cd): 0.01%; Mercury: 0.1% (Hg); Lead (Pb): 0.1%; Hexavalent chromium (Cr6+): 0.1%; Polybrominated biphenyls (PBB): 0.1 %; Polybrominated diphenyl ethers (PBDE): 0.1 %; Bis(2-Ethylhexyl) phthalate (DEHP): 0.1%; Benzyl butyl phthalate (BBP): 0.1%; Dibutyl phthalate (DBP): 0.1%; Diisobutyl phthalate (DIBP): 0.1%.

Volatile Organic Compounds

(Directive 2004/42/EC (Volatile Organic Compounds), as amended)

This product is not considered to be a volatile organic compound (VOC), nor does it contain a VOC, as defined in Article 5 of EU Directive 2004/42/EC (an organic substance with an initial boiling point less than or equal to 250 °C at a standard pressure of 101,3 kPa).

(Swiss Ordinance on Volatile Organic Compounds (OVOC) (814.018))

In the Swiss ordinance on incentive taxes on volatile organic compounds (OVOC), "volatile organic compounds (VOC) are organic compounds with a vapour pressure of at least 0.1 mbar at 20°C or a boiling point of maximum 240°C at 1013.25 mbar." Based on the Swiss definition, this product is not a volatile organic compound (VOC), nor does it contain one.

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USA regulations

(21 CFR 189.5; 21 CFR 700.27 (BSE/TSE))

Based on our knowledge of the raw materials and processes used in the manufacture of this product, we have no reason to expect that bovine-derived materials are present in this product.

(US CSG (CONEG))

This product complies with the heavy metal content limits of this legislation. Based on our knowledge of the raw materials and the manufacturing process, we expect that the sum of any trace quantities of lead, mercury, cadmium, and hexavalent chromium is below legislation limit of 100 ppm.

(40 CFR Part 82 Subpart E, ODS)

Eastman Chemical Company products are neither manufactured with nor contain any "ozone depleting substances" listed by the U.S. Environmental Protection Agency for the protection of stratospheric ozone (Title VI of the Clean Air Act, and 40 CFR Part 82, Subparts A and E, including chlorofluorocarbons, halons, carbon tetrachloride, methyl chloroform, hydrochlorofluorocarbons.) However, based on our knowledge of the raw materials and manufacturing process, these substances may be present in trace quantities in our products.

(Consumer Product Safety Improvement Act of 2008)

We have not analyzed this product for the following substances: Lead, Di-iso-nonyl phthalate (DINP); Di(2-ethylhexyl) phthalate (DEHP); Dibutyl phthalate (DBP); Di-iso-decyl phthalate (DIDP); Di-n-octyl phthalate (DNOP); Butylbenzyl phthalate (BBP). However, these substances are not used as a raw material, nor are they added to the manufacturing process or the end product. We have no reason to expect that these substances would be present above the threshold levels in this legislation (>100 ppm for lead; and concentrations >0.1% for the listed phthalates).

Liability Limitation

Users should consider this regulatory information provided only as a supplement to other information, such as the Material Safety Data Sheet. It is the responsibility of our customers to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. Because of possible changes in the laws and regulations, as well as possible changes in our products, we cannot guarantee that the status of this product will remain unchanged. Therefore, we recommend that customers continuing to use this product verify its status periodically. For additional information about this product, please contact your Eastman representative or visit our website at www.eastman.com.

Neither Eastman Chemical Company nor its marketing affiliates shall be responsible for the use of this information, or of any product, method or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability or fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

If further information is required please do not hesitate to contact us.