

Product Compliance Declaration

Nylon AF80 Aramid



Hulin, 5th February 2020

The company **Fillamentum Manufacturing Czech s.r.o.** declares that the product **Fillamentum Nylon AF80 Aramid** (3D printing filament) is compliant with:

- a) the Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (also known as RoHS 1),
- b) the Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (also known as RoHS 2),
- c) the Commission delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances (also known as RoHS 3),

and it may be used for production of electrical and electronic equipment.

The material used for production is only the compound of polyamide 12, chopped aramid fibres and compatibilizer. No substances limited in the Directive were detected in the input material. The limited substances are specified in Table 1.

The declaration is based on the present knowledge and experience of the material suppliers. According to the RoHS directives, it is necessary to determine the concentration values of restricted substances on the final product.

Table 1: List of substances restricted according to the Annex II of the RoHS directives and the limits specified in input material.

SUBSTANCE NAME	MAXIMUM CONCENTRATION VALUE	CONCENTRATION STATED IN INPUT MATERIALS
LEAD	0,1 %	< 0,1 %
MERCURY	0,1 %	< 0,1 %
CADMIUM	0,01 %	< 0,01 %
HEXAVALENT CHROMIUM	0,1 %	< 0,1 %
POLYBROMINATED BIPHENYLS (PBB)	0,1 %	< 0,1 %
POLYBROMINATED DIPHENYL ETHERS (PBDE)	0,1 %	< 0,1 %
BIS(2-ETHYLHEXYL) PHTHALATE (DEHP)	0,1 %	< 0,1 %
BUTYL BENZYL PHTHALATE (BBP)	0,1 %	< 0,1 %
DIBUTYL PHTHALATE (DBP)	0,1 %	< 0,1 %
DIISOBUTYL PHTHALATE (DIBP)	0,1 %	< 0,1 %