



REGULATORY INFORMATION SHEET

DuraPro ABS

1. PRODUCT IDENTIFICATION

TRADE NAME	Extruder DuraPro ABS
MANUFACTURER	FD3D GmbH Klosterstrasse 13 6923 Lauterach AUSTRIA info@extruder.com
USE OF PRODUCT	Terpolymer, suitable for 3D printing filament

2. EUROPEAN UNION FOOD CONTACT

Regulation (EU) 10/2011 Annex IV

This certificate states that our product called Extruder ABS is in full compliance with the applicable requirements of CFR 21 §181.32 of US FDA (Food and Drug Administration) for use in contact with food. Therefore, Extruder ABS can be used in applications for direct/indirect food contact under the FDA regulation.

We hereby certify that Extruder ABS complies with the specification according to EU Directive 2009/48/EC - EN-71, Part 3: 2013

SUBSTANCES	LIMITS (MG/KG)	POWDER TYPE	LIQUID TYPE
Antimony (Sb)	45	11.3	560
Arsenic (As)	3.8	0.9	47
Barium (Ba)	1,500	375	18,750
Cadmium (Cd)	1.3	0.3	17
Cadmium (Cd)	37.5	9.4	460
Chromium (Cr)	0.02	0.005	0.2
Mercury (Hg)	13.5	3.4	160
Lead (Pb)	7.5	1.9	94
Selenium (Se)	37.5	9.4	460
Aluminium (Al)	5,625	1,406	70,000
Boron (B)	1,200	300	15,000
Cobalt (Co)	10.5	2.6	130
Copper (Cu)	662.5	156	7,700
Manganese (Mn)	1,200	300	15,000
Nickel (Ni)	75	18.8	930

Strontium (Sr)	4,500	1,125	56,000
Tin (Sn)	15,000	3,750	180,000
Organic Tin (Sn)	0.9	0.2	12
Zinc (Zn)	3,750	938	46,000

The overall and specific migration tests carried out under recommended conditions (10 days/40°C), using the food stimulants Ethanol 50%, Acetic acid 3% and Vegetable oil, show that the polymer meets the migration limits required by EU legislation.

3. REACH & ECHA

The material is free of Substance of Very High Concern (SVHS) listed in the REACH Candidate List by the ECHA on the 07. July 2017 is present in a concentration above 0,1%.

4. LIABILITY LIMITATION

Please note that this compound has not been tested for trace amounts of the substances aforementioned or listed within the regulations. However, based on the information obtained from upstream suppliers there is no reason to expect any of the substances listed to be present within this compound. The values listed have been established on standardized test specimens at standard temperature and humidity conditions. The figures should be considered as guide values only. Under certain conditions the processing conditions can have a significant influence on the properties.

FD3D GmbH shall not be liable for the use of this information or of any product, method or equipment mentioned. Customers must undertake their own determination of this product's suitability and completeness for their own use, for the protection of the environment, for the health and safety of their employees and purchasers of their 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.