



# ADDITIONAL INFORMATION SHEET

## DISCLAIMER

Our products are manufactured with the highest quality resources as a base for our filament. These come with different certifications, that validate certain standards.

To ensure that a specific material is compliant with a certification, both the material and color need to be considered, as well as the printer and other external factors. The compliance of the final product has to be determined on a case-by-case basis. Extrudr cannot guarantee compliance for the final product.



## NEED HELP?

If you have any question about the product and/or you are experiencing an issue, please contact us via:

+43 660 8810 615  
(Mo-Fr | 8 am - 14 pm)

support@extrudr.com | www.extrudr.com

## 1. COLORS AND FDA

	BIOFUSION	DURAPRO ABS	DURAPRO ASA	DURAPRO ASA CF	FLEX SEMISOFT	FLEX MEDIUM	FLEX HARD	FLEX HARD CF	WOOD	PEARL	FLAX	GREENTEC	GREENTEC PRO	GREENTEC PRO CF	PCTG	PETG	XPETG CF	XPETG MATT	XPETG REC	XPETG ESD	PLA NX1	PLA NX2
transparent					○										✓	✓					✓	
natural		✓	○																			
white		✓	○		○	✓	✓					✓	✓		✓	✓		✓			✓	✓
arctic white	✓																					
yellow			○														✓					✓
neonyellow			○			○											○					
trans. yellow																	○					
gold																	○				○	
inca gold	○																					
orange																		✓				
neonorange			○			○												○				
trans. orange																		○				
copper																		○				
steampunk copper	○																					
red		✓	○							✓		✓	✓		✓			✓				
cherry red	✓																					
neon red																		○				
trans. red																		○				
hellfire red						✓												✓				✓
magenta																		✓				



FDA COMPLIANT

NOT FDA COMPLIANT



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	BIOFUSION	DURAPRO ABS	DURAPRO ASA	DURAPRO ASA CF	FLEX SEMISOFT	FLEX MEDIUM	FLEX HARD	FLEX HARD CF	WOOD	PEARL	FLAX	GREENTEC	GREENTEC PRO	GREENTEC PRO CF	PCTG	PETG	XPETG CF	XPETG MATT	XPETG REC	XPETG ESD	PLA NX1	PLA NX2	
purple																						✓	
episches purple	✓																						
navy blue		✓										✓	✓					✓					✓
trans. blue																							
blue fire	✓																						
cyan																							
turquoise																							✓
signal green																○							
emerald green			○																				✓
neon green			○													○							
trans. green																○							
reptile green	✓																						
venom green	✓																						
military green																							
bronze																○							
brown								✓															✓
silber		○	○													○							
mercury	✓																						
grey		✓	○																				✓
metallic		○	○													○							
metallic grey	✓																						
anthracite		✓	○								✓	✓	✓					✓					✓
black		✓	○								✓	✓	✓					✓					✓
jet black	✓																						
carbon																							
ESD																							
glowEx																○							

✓                      ○  
 FDA COMPLIANT      NOT FDA COMPLIANT

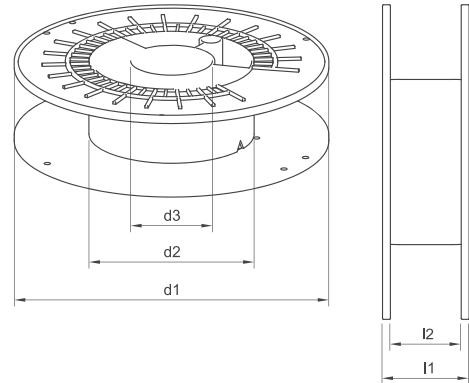


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## 2. SPOOL INFORMATION

SPOOL TYPE	S	M	L	XL	XXL
I1	55	68	100	100	244
I2	45	59	90	90	220
d1	200	200	300	350	335
d2	105	105	212	180	190
d3	52	52	52	52	51
Net Weight*	230	260	600	820	1020

SPOOL TYPES		
S	0,75 kg	0,8 kg
M	1 kg	1,1 kg
L	2,3 kg	2,5 kg
XL	5 kg	
XXL	10 kg	



\*Deviations of +/- 10% possible  
Measurements (l, d) in mm.  
Net Weight in g.

## 3. CERTIFICATIONS



### FDA compliant

The raw material and additives used are FDA certified. Classification and compliance with the standard is linked to external limitations. According to external limitations, a certification of food approval in accordance with the rules can only be carried out on a case-by-case basis for the respective product.



### RoHS compliant

The EU Directive 2011/65/EU (RoHS 2) serves to restrict the use of certain hazardous substances and specifies their maximum concentrations in materials, such as:

- Lead (Pb), 0.1% - use e.g. for solder joints
- Mercury (Hg), 0.1% - Use e.g. for inclination switches, mercury vapour rectifiers
- Cadmium (Cd), 0.01% - Use e.g. for nickel-cadmium batteries
- Hexavalent chromium (Cr6+), 0.1% - Use e.g. in paints and varnishes, wood preservatives
- Polybrominated biphenyls (PBB), 0.1% - Flame retardant in plastic insulations
- Polybrominated diphenyl ethers (PBDE), 0.1% - Flame retardants in plastic insulations
- Bis(2-ethylhexyl) phthalate (DEHP), 0.1% - Use e.g. as plasticizer in PVC
- Benzyl butyl phthalate (BBP), 0.1% - Use e.g. as plasticizer in plastics
- Dibutylphthalate (DBP), 0.1% - Use e.g. as plasticizer in plastics
- Diisobutylphthalate (DIBP), 0.1% - Use e.g. as plasticizer in plastics

In a chemical analysis (screening), the test object is subjected to procedures that indicate the concentrations of the elements present (example: X-ray fluorescence analysis). Products that comply with the directives are marked with the CE logo.



### REACH compliant

REACH is the European Directive 1907/2006 for the registration, evaluation, authorisation and restriction of certain chemical substances. It came into effect in 2007 and replaced the previous system. The directive shifts the responsibility for providing information on risks and safety information from the authorities to the industry. Thus, companies are required to meet the new requirements and strengthen and secure communication along the production chain.



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## **DEGRADABLE** ISO 14855

The product is biodegradable according to the DIN EN ISO 14855 guideline. The complete aerobic degradability of the material is determined under controlled composting and examined on the basis of the released carbon dioxide. The compliance of the final product with the guideline needs to be evaluated on a case-by-case basis for the respective product.



## **FLAMERETARDANT** UL 94 HB

The raw material is flame-retardant and is based on the DIN 4102 - UL94 - B1 standard. Classification and compliance with the standard is linked to external limitations. In order to guarantee the flammability of the end product, a certified testing laboratory must test the properties.



## **UV RESISTENT**

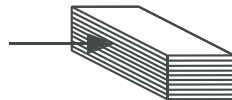
The material is capable of withstanding direct UV-impact for a certain time period. The UV-resistance of the final product needs to be evaluated on a case-by-case basis for the respective product.

## 4. TEST VALUES AND TEST SPECIMEN

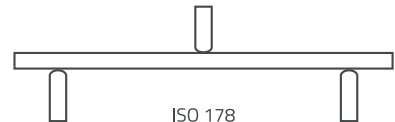
To determine a specific value for the technical data sheets, standardized test specimen are being used. These are designed and manufactured according to the specific regulation (e.g. ISO 527 oder ISO 179). The test specimen are manufactured through injection moulding and are tested afterwards. The analysis is conducted by an external entity. The values in the technical data sheet are for comparison purposes only and depend on external factors, like temperature, printer and settings, user experience and others, that have to be checked on a case-by-case basis. The technical properties have to be checked by the user before use. Extrudr assumes no liability for fulfilment of the values in the end product. Product properties are subject to change without prior announcement. In case users want to engineer parts with Extrudr filament and need exact information for calculation, contact the Extrudr Support Team.



ISO 527



ISO 179



ISO 178

## 5. 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.

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