

DECLARATION OF APPROVAL FOR CONTACT WITH FOOD

3D FILAMENT PET-G Standard HS
date of issue: 30.06.2023
date of update: 01.07.2025

Material name: **PET-G Standard HS**
Brand name: PET-G Standard HS filament 1,75 mm

This is to assure that the PET-G Standard HS filament for 3D printing from ROSA3D is produced using raw material suitable for use in food-contact applications in the European Union (EU).

The raw material is compliant with the requirements for plastic materials used for articles or parts of articles intended to come into contact with food in accordance with the following European legislation:

- Regulation (EC) No. 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC;
- Commission Regulation (EU) No. 10/2011 until amendment 2020/1245 of 2 September 2020;
- Commission Regulation (EC) No. 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food;
- BfR Recommendations on Food Contact Materials for XVII - Poly(terephthalic acid diol esters);
- Dutch Packaging and Consumer Articles Regulation, December 20th, 2016.

The following monomers and/or additives are listed on the positive list of Regulation (EU) No. 10/2011 (and amendments).

Monomer	PM Ref.	Specific Migration Limit [mg/kg]
Terephthalic acid	24910	7,5 expressed as terephthalic acid
Ethyleneglycol	16990 53650	30 expressed as ethyleneglycol
2,2-dimethyl-1,3-propanediol	16390 22437	0,05
Antimony Trioxide	35760	0,04 expressed as antimony

Substances with restrictions according to annex II of European Regulation 10/2011 (and amendments):

Additive	CAS Number	Specific Migration Limit [mg/kg]
Cobalt Acetate Tetrahydrate	6147-53-1	0,05 expressed as cobalt

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NIAS (non-intentionally added substance) listed in annex I of regulation (EU) N°10/2011 (and amendments):

NIAS	PM Ref.	Specific Migration Limit [mg/kg]
Diethylene Glycol ¹	13326 15760 47680	30 expressed as ethyleneglycol
Acetaldehyde ²	10060	6 expressed as acetaldehyde

The overall migration tests were carried out under recommended conditions (10 days/40°C), using the food simulants: ethanol 50%, acetic acid 3% and vegetable oil. Results show that the polymer meets the migration limits required by EU legislation.

The specific migration tests were made at 50°C during 10 days, using the food simulants: ethanol 10%, ethanol 50%, acetic acid 3% and vegetable oil.

Ratio of the area of the food contact material to the volume used to determine the compliance of the plastic food contact material or article: 0.6 dm²/100 ml food simulant and 0.4 dm²/50 ml food simulant.

Since the production of the final product intended for contact with food is not controlled by ROSA3D, the company makes no warranty, express or implied, and accepts no responsibility in connection with the use of this information. In addition, our statement of assurance is subject to the conditions set out in the invoice or other contract or shipping document issued by ROSA3D with respect to any limitation of liability.



¹ present in the material, formed due to a side reaction of Ethylene glycol during the esterification phase manufacturing

² present in the material, due to an unavoidable degradation by-product of PET-G, which is generated during PET-G polymerization melt phase manufacturing and when extruded and/or injected

ROSA PLAST Sp. z o.o.

ul. Hipolitowska 102B, 05-074 Hipolitów
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Filament	Compatible with a declaration of approval for contact with food?	EAN Code
FILAMENT 3D PET-G Standard HS 1,75mm TRANSPARENT 3kg	YES	5907753130006
FILAMENT 3D PET-G Standard HS 1,75mm BLACK 3kg	YES	5907753130020
FILAMENT 3D PET-G Standard HS 1,75mm WHITE 3kg	YES	5907753130037
FILAMENT 3D PET-G Standard HS 1,75mm GRAY 3kg	YES	5907753130044
FILAMENT 3D PET-G Standard HS 1,75mm Black 1kg	YES	5907753131980
FILAMENT 3D PET-G Standard HS 1,75mm WHITE 1kg	YES	5907753131997
FILAMENT 3D PET-G Standard HS 1,75mm Juicy Orange 3kg	NO	5907753133830
FILAMENT 3D PET-G Standard 1,75mm Glow in the Dark Green 0,5kg	NO	5907753132079
FILAMENT 3D PET-G Standard 1,75mm Aluminium 0,8kg	YES	5907753132222
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Black 1kg	YES	5907753132369
FILAMENT 3D ReFill PET-G Standard HS 1,75mm White 1kg	YES	5907753132376
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Juicy Orange 1kg	NO	5907753132383
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Gray 1kg	YES	5907753132390
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Blue Sky Tr. 1kg	YES	5907753132406
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Pure Green Tr. 1kg	YES	5907753132413
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Red Wine Tr. 1kg	YES	5907753132420
FILAMENT 3D PET-G Standard HS 1,75mm BLACK 4,5kg	YES	5907753132888
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Aluminium 1kg	YES	5907753132925
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Army Green 1kg	YES	5907753132932
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Gold Metallic 1kg	YES	5907753132949
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Neon Yellow 1kg	NO	5907753132956
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Pearl Gold 1kg	YES	5907753132963
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Transparent 1kg	YES	5907753132970
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Light Green Tr. 1kg	YES	5907753132987
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Navy Blue Tr. 1kg	YES	5907753132994
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Red Tr. 1kg	YES	5907753133007
FILAMENT 3D PET-G Standard 1,75mm Juicy Orange 1kg (destock)	NO	5907753134301
FILAMENT 3D PET-G Standard HS 1,75mm TRANSPARENT 1kg (destock)	YES	5907753134318
FILAMENT 3D PET-G Standard HS 1,75mm GRAY 1kg (destock)	YES	5907753134325
FILAMENT 3D PET-G Standard HS 1,75mm Aluminium 1kg (destock)	YES	5907753134356
FILAMENT 3D PET-G Standard HS 1,75mm PEARL GOLD 1kg (destock)	YES	5907753134370
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Glitter Brillant Silver 1kg	NO	5907753134660
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Red 1kg	YES	5907753136886
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Light Brown 1kg	YES	5907753136893
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Chocolate Brown 1kg	YES	5907753136909
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Green Grass 1kg	YES	5907753136916

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FILAMENT 3D ReFill PET-G Standard HS 1,75mm Bright Yellow 1kg	YES	5907753136923
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Signal Blue 1kg	YES	5907753136930
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Neon Green 1kg	YES	5907753136947
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Lilac 1kg	YES	5907753136954
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Mint 1kg	YES	5907753136961
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Light Gray 1kg	YES	5907753136978
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Burgundy Red 1kg	YES	5907753136992
FILAMENT 3D ReFill PET-G Standard HS Milk Chocolate Brown 1,75mm 1kg	YES	5907753137111
FILAMENT 3D ReFill PET-G Standard 1,75mm Neon Green Glow in the Dark, UV Glow 1kg	NO	5907753137814
FILAMENT 3D ReFill PET-G Standard HS 1,75mm Glow in the Dark Blue 1kg	NO	5907753137821

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