DECLARATION OF APPROVAL FOR CONTACT WITH FOOD

3D FILAMENT PET-G Standard HS
date of issue: 30.06.2023
date of update: 13.11.2026

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

This document confirms that the polymer used in the production of PET-G Standard HS filament complies with the requirements applicable to plastic materials intended for food contact in the European Union, within the scope specified in the raw material supplier's documentation.

The material complies with the relevant requirements of the following regulations and recommendations:

- **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**, as amended, including Regulation (EU) 2025/351;
- **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, as amended;
- **BfR Recommendation XVII** on food contact materials – Poly(terephthalic acid esters of diols);
- **Dutch Commodities Act Regulation on Packaging and Consumer Articles** of 20 December 2016.

Compliance with Regulation (EU) 2025/351

According to the raw material supplier's declaration, appropriate measures have been taken to ensure that the substances used comply with the high degree of purity requirements set out in Articles 3a and 8 of Regulation (EU) No 10/2011, as amended by Regulation (EU) 2025/351.

Documentation confirming the compliance of the raw material is available in accordance with applicable legal requirements.

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Substances Subject to Restrictions

The following monomers and additives are included in the Union list of substances authorized for use in food contact materials, as specified in Annex I to Regulation (EU) No 10/2011, as amended.

Monomer	FCM No. / Ref. No.	Specific Migration Limit [mg/kg]
Terephthalic acid	785 / 24910	7,5 expressed as terephthalic acid
Ethyleneglycol	227/ 16990 / 53650	30 expressed as ethyleneglycol
2,2-dimethyl-1,3-propanediol	310 / 16390 / 22437	0,05

The migration limit for ethylene glycol is a group migration limit that also includes diethylene glycol.

NIAS – Non-Intentionally Added Substances

Based on the raw material supplier's documentation, the following non-intentionally added substances (NIAS) have been identified and are listed in Annex I to Regulation (EU) No 10/2011, as amended:

NIAS	FCM No. / Ref. No.	Specific Migration Limit [mg/kg]
Diethylene Glycol[1]	263 / 13326 / 15760 / 47680	30 expressed as ethyleneglycol
Acetaldehyde[2]	128 / 10060	6 expressed as acetaldehyde

The specified values represent group specific migration limits established in Regulation (EU) No 10/2011. The filament processing conditions may affect the amounts of NIAS formed.

[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

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Migration Testing

Overall migration tests were conducted under the recommended conditions (10 days at 40°C), using the following food simulants: 50% ethanol, 3% acetic acid, and vegetable oil. The results demonstrate that the polymer complies with the migration limits established by EU legislation.

Specific migration tests were conducted at 50°C for 10 days, using the following food simulants: 10% ethanol, 50% ethanol, 3% acetic acid, and vegetable oil.

The surface area-to-volume ratios used to determine the compliance of the plastic food contact material or article were 0.6 dm²/100 ml of food simulant and 0.4 dm²/50 ml of food simulant.

The above tests apply to the polymer. Compliance of the finished 3D-printed article requires consideration of the actual manufacturing and conditions of use.

Restrictions on Use

Since the manufacturing of the final product intended for food contact is not controlled by ROSA3D, the company makes no warranties, express or implied, and assumes no liability in connection with the use of this information. Furthermore, our certification is subject to the terms and conditions set forth in the invoice or any other agreement or shipping document issued by ROSA3D, including any limitations of liability specified therein.

3D printing filament requires further processing to produce finished materials or articles. The responsibility for ensuring that the finished article complies with all applicable restrictions and is fully compliant with relevant legal requirements rests with the manufacturer of the finished article. The manufacturer of the final product is required to conduct additional testing to confirm that the finished article complies with applicable legal requirements.

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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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