TECHNICAL DATA SHEET

Recycled PET (rPET) Granules | IV 0.80 | Food-contact specification (supplier-reported)

PRODUCT DESCRIPTION & FOOD-CONTACT INFORMATION

Recycled polyethylene terephthalate (rPET) resin manufactured from post-consumer PET flakes. The source TDS states that the feedstock contains less than 5% non-food material and that the resin complies with Regulation (EU) No 10/2011 for plastic materials and articles intended to come into contact with food. These are supplier-reported statements, not independent WasteTrade certification.

PET is a linear, semi-crystalline thermoplastic resin produced by polycondensation of terephthalic acid and ethylene glycol, offering strength, flexibility and processability across a range of applications.

COLLECTION & PRE-PROCESSING

The source TDS states that post-consumer PET bottle collection and pre-processing into flakes are conducted in accordance with Regulation (EU) 2022/1616, Article 6. This statement should be supported by the relevant recycling-process authorisations and compliance documents before any specific food-contact application is approved.

TECHNICAL SPECIFICATIONS

Property	Supplier-reported specification
Density	1.36 ± 0.03 g/cm³
Pellet size / weight	1.5 g ± 0.5 g per 100 pellets
Moisture	0.2% maximum
PET dust	500 ppm maximum
Intrinsic viscosity (IV)	0.80 dL/g minimum (± 0.02 stated)
Colour / appearance	Crystallized ground rPET resin
Colour coordinates	68 ≤ L ≤ 78; −4 ≤ a ≤ 0; −1.5 ≤ b ≤ 1.5
Limonene	< 0.02 ppm
Acetaldehyde	1 ppm maximum
Benzene	< 0.05 ppm
Black specks, 0.5–1 mm	5% / 5 kg
Black specks, 1–2 mm	1% / 5 kg
Black specks, > 2 mm	0% / 5 kg
Melting point	250 °C ± 5 °C
Big bag weight	Approximately 1,325 kg

RECYCLASS / FOOD-GRADE INDICATORS

The source TDS displays the following RecyClass module and FG/NFG markings. They are reproduced as supplier-reported indicators; the underlying certificates, assessment scope and meaning of “qs” have not been independently verified.

Module / designation	A1	A2	B	C	G	FG	NFG
Marking in source	X	✓	✓	✓	✓	✓	✓ (qs)

RAW-MATERIAL REMARKS

Values are based on the source supplier’s internal test procedures and are guideline values for an average load. Samples are not necessarily representative of deliveries. Batch-specific results and further information should be requested where required.

FOOD-CONTACT COMPLIANCE NOTE

This document describes a material marketed with food-contact specifications. It is not a declaration of conformity, food-contact approval, migration test report, or evidence of authorisation of a specific recycling process. Suitability for direct food contact must be established for the intended application using current supplier documentation, applicable EU requirements, traceability and any necessary test results.

WasteTrade.com | Product information sheet | Technical values and regulatory statements transcribed from the supplied source TDS; original manufacturer identification and confidential contact details omitted.