



PET to PET Recycling Österreich GmbH

## Specification

### PET CLEAR FOOD GRANULATE

Version 6.0

**Company name and address:**

**PET to PET Recycling Österreich GmbH**  
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**Product number:**

10.400

**Product code:**

PET K FG

**Chemical description:**

Polyethylene terephthalate

**CAS-Nr.:**

25038-59-9

**Delivery form:**

Crystalline PET granulate

**Appearance:**

Clear

Big Bags (height x width x depth)

1300 x 1050 x 1050

Delivered on one-way wooden pallet (width x depth)

1150 x 1150

**Description:**

The amorphous washed PET flakes are being melted in an extruder, running through a melt filtration unit and finally the "Solid state polycondensation" process generates food-grade PET granules.

The input material contains of 99 % of used bottles from the beverage industry.

Properties	Reference value	Unit	Test method
Material source	Beverage bottles	-	
PET type	A	-	
Raw material bottle colour	Clear	-	
Granulate geometry	Spheric	-	
Bulk density	800 - 900	kg/m <sup>3</sup>	PA LAB 02
Number of granulate gains per gram	40 - 60	St/g	PA LAB 21
Intrinsic viscosity (calculated according to ISO 1628-1)	> 0,78	dl/g	PA LAB 20
Moisture content	< 0,3	%	PA LAB 03
Granulate Colour L (CIELab)	> 66	-	PA LAB 23
Granulate Colour b (CIELab)	< 3	-	PA LAB 23
Black Specks > 2 mm	0	%	PA LAB 19
Black Specks > 1 - 2 mm	< 3	%	PA LAB 19
Black Specks 0,5 - 1 mm	< 10	%	PA LAB 19
GC MS (Acetaldehyd)	< 1	ppm	EXTERNAL
GC MS (Limonene)	Referring to TCCC specification	ppb	PA LAB 18

Reviewed (by, at): Dittmann, 21.02.2025	Checked (by, at): Dittmann, 24.02.2025	Approved (by, at): Strasser, 24.02.2025
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