



## Specification

### PET CLEAR FOOD GRANULATE

Version 5.0

**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 1100 x 1100

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   | 820 - 880                       | 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)                              | > 67                            | -                 | PA LAB 23   |
| Granulate Colour b (CIELab)                              | < 3                             | -                 | PA LAB 23   |
| Black Specks > 2 mm                                      | 0                               | %                 | PA LAB 19   |
| Black Specks > 1 - 2 mm                                  | < 1                             | %                 | 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   |

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