



Specification

PET CLEAR FOOD FLAKES

Version 6.0

Company name and adress:

PET to PET Recycling Österreich GmbH
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Product number:

10.100

Product code:

PET K FF

Chemical description:

Polyethylene terephthalate

CAS-Nr.:

25038-59-9

Delivery form:

Semi cristalline PET flakes

Appearance:

Clear

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

2150 x 1100 x 1100
 1150 x 1150

Description

Semi-cristalline Pet Flakes are produced out of PET post-consumer beverage bottles.
 The process used is the Hybrid URRC-process by URRC.

Properties	Reference value	Unit	Test method
Material source	Beverage bottles	-	
PET type	A	-	
Colour of material source	Clear	-	
Bulk density	300 - 500	kg/m3	PA LAB 02
Flake size > 12 mm	< 5	%	PA LAB 13
Flake size < 0,5 mm	< 0,3	%	PA LAB 13
Flake colour sample Δb (Hunter Lab after oven aging)	max. 4	-	PA LAB 14
Flake colour reference b (Hunter Lab)	max. 9	-	PA LAB 14
Flake colour refernce YI (HunterLab)	max. 19	-	PA LAB 14
Intrinsic viscosity (calculated according to ISO 1628-1)	0,74 - 0,83	dl/g	PA LAB 20
Moisture content	< 0,7	%	PA LAB 03
pH - increase	< 0,5	-	PA LAB 08
Foreign material:			
- PVC polymers	< 5	ppm	PA LAB 01
- Metal (FE)	< 5	ppm	PA LAB 01
- Metal (NE)	< 5	ppm	PA LAB 01
- Polyolefine (PE/PP)	< 50	ppm	PA LAB 01
- Label film (plastic)	< 50	ppm	PA LAB 01
- Label film (paper)	< 15	ppm	PA LAB 01
- Silicon	< 20	ppm	PA LAB 01
- Wood	< 15	ppm	PA LAB 01
- Lime, salt	< 15	ppm	PA LAB 01
- PET coloured	< 1000	ppm	PA LAB 01
- PET light blue	< 4	%	PA LAB 01
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)	< 1,5	ppm	EXTERNAL
GC MS (Limonen)	Referring to TCCC specification	ppb	PA LAB 18

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