

Technical Data Sheet: PET flakes

Product Description:

PET flakes are manufactured from post consumer PET bottles with a non-food content of less than 5%.

Polyethylene terephthalate (PET) is a linear thermoplastic resin that is created by the polycondensation of terephthalic acid and ethylene glycol. PET is a semi-crystalline plastic featuring high strength and flexibility, excellent machining properties, which ensures a wide range of applications.



Specification	Values	Unit	Test method
Intrinsic viscosity (IV)	0,72 to 0,78	dl/g	IV test
Mechanical characteristics			
PET fines/dust	< 1	%	Sieve test
Flakes size 1- 4	10-20	%	Sieve test
Flakes size 4 - 10	70-90	%	Sieve test
Flakes size > 10	1-5	%	Sieve test
Bulk Density	200 to 500	kg/m ³	Bulk density test
Physical/chemical characteristics			
Moisture content	< 1	%	Moisture test
pH difference	6,5-7,5	-	pH test
Purity values			
Coloured flakes	< 100	ppm	Visual sorting
Opaque	< 1 000	ppm	Visual sorting
Metal	< 25	ppm	Oven test
Count of flakes with organic impurities	< 4 000	ppm	Oven test
PVC	< 50	ppm	Oven test
HDPE/PP	< 25	ppm	Oven test
Foreign polymer particles (total)	< 80	ppm	Oven test
Multilayer	< 10 000	ppm	Oven test
Other impurities (paper, gum, wood, fiber...)	< 20	ppm	Oven test

Packaging

Big Bags: Big Bags: 110x110x230 stored on wooden pallets.

Storage conditions

No exposure to direct sunlight. Keep away from heat, humidity and bad weather. Storage temperature max. 25 °C.

Comments:

These values are average values and can range within the given limits. All our products are suitable for further processing. More information or specific offers are available on request.