

Technical Data Sheet: mixed coloured 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
Colour	coloured	-	-
Intrinsic viscosity (IV)	0,61 to 0,71	dl/g	IV test
Mechanical characteristics			
PET fines/dust	< 0,1	%	Sieve test
Flakes size 1- 4	30 to 40	%	Sieve test
Flakes size 4 - 10	50 to 70	%	Sieve test
Flakes size > 10	< 5	%	Sieve test
Bulk Density	250 to 300	kg/m ³	Bulk density test
Physical/chemical characteristics			
Moisture content	< 1	%	Moisture test
pH difference	6,0 to 7,0		pH test
Purity values			
Metals	< 25	ppm	Oven test
Count of PET flakes with organic impurities	< 20	%	Oven test
PVC	< 50	ppm	Oven test
HDPE/PP	< 25	ppm	Oven test
Other polymers	< 25	ppm	Oven test
Multilayer	< 2	%	Oven test
Opaque	< 5	%	Visual sorting
Other impurities (wood, paper...)	< 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.