

Technical Data Sheet: Reject 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	Transparent	-	-
Intrinsic viscosity (IV)	0,60 to 0,70	dl/g	IV test
Mechanical characteristics			
PET fines/dust	< 0,01	%	Sieve test
Flakes size 1- 4	< 5	%	Sieve test
Flakes size 4 - 10	80 to 85	%	Sieve test
Flakes size > 10	< 5	%	Sieve test
Bulk Density	250 to 350	kg/m ³	Bulk density test
Physical/chemical characteristics			
Moisture content	< 1,3	%	Moisture test
pH difference	6,5 to 7,5		pH test
Purity values			
Metals	max. 50	ppm	Oven test
Count of PET flakes with organic impurities	1-2	%	Oven test
PVC	max. 80	ppm	Oven test
HDPE/PP	max. 50	ppm	Oven test
Other polymers	< 25	ppm	Oven test
Multilayer	1-2	%	Oven test
Opaque	1-2	%	
Other impurities (wood, paper...)	max. 50	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. May contain max 5% of PET flakes of other colour. More information or specific offers are available on request.