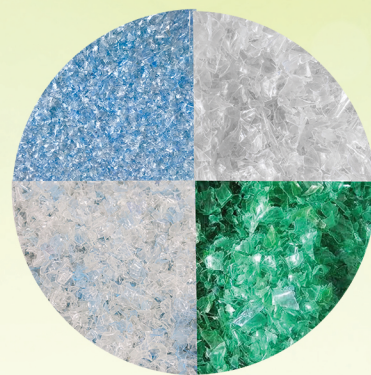




Technical Data Sheet

rPET FLAKES



Product

Polyethylene Terephthalate (PET) Flakes

Product Description

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

PET flakes are used for Extrusion in Plastic industry.

Properties	Unit	Grade: IRF-C78	Grade: IRF-CB78	Grade: IRF-G78	Test Method
		Value	Value	Value	
Intrinsic Viscosity	dl/g	0.70 ~ 0.78	0.70 ~ 0.78	0.70 ~ 0.78	ASTM D4603
Bulk Density (min./avg./max.)	kg/m ³	250 ~ 350	250 ~ 350	250 ~ 350	ASTM D1895
Flake Size	mm	2 ~ 12 ≥ 95%, 14mm <5%	2 ~ 12 ≥ 95%, 14mm <5%	2 ~ 12 ≥ 95%, 14mm <5%	Sieve Test
Moisture	%	Max 1	Max 1	Max 1	Moisture Analysis
Clear Flakes	%	≤ 98	≤ 80	NA	Visual Sorting
Blue Flakes	%	≤ 2	≤ 20	< 5	Visual Sorting
Green Flakes	%	NA	NA	≤ 93	Visual Sorting
Other Color	%	NA	NA	≤ 2	Visual Sorting
Glues/Hot melts	ppm	≤ 20	≤ 20	≤ 20	Oven Test
Metals (Ferrous / Non- Ferrous)	ppm	≤ 10	≤ 10	≤ 10	Oven Test
PVC Content	ppm	≤ 10	≤ 10	≤ 10	Oven Test
PVC Hard Flakes	ppm	≤ 10	≤ 10	≤ 10	Oven Test
PA Content	ppm	≤ 15	≤ 15	≤ 15	Oven Test
PC Content	ppm	≤ 15	≤ 15	≤ 15	Oven Test
PE, PP	ppm	≤ 10	≤ 10	≤ 10	Oven Test
Fines	%	≤ 2	≤ 2	≤ 2	Sieve Test
Paper, Wood	ppm	≤ 10	≤ 10	≤ 10	Oven Test
Yellow Flakes	ppm	≤ 20	≤ 20	≤ 20	Visual Sorting

The specifications describe food grade Clear, Clear Blue and Green flakes which meet all of the requirements when tested as directed by the reference methods.

Ismail **GreenPET** Project



Every Bottle Matters!

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