

TECHNICAL DATA SHEET

OVALL
SUSTAINABLE SOLUTIONS

Together we are better

Nº REF: PL-01-FCA

rPET -
FLAKES
CLEAR
A

rPET - FLAKES CLEAR A

Tall Bag Packaging	1.000 / 1.100 kg
Short Bag Packaging	500 / 600 kg
HS Code	39076090

Product Specification :

Physical Properties	Value		Unit	Test Method
	Min	Max		
Moisture Content (MC)	0.0	1.0	%	Moisture Analyzer
Intrinsic Viscosity (IV)	0.68	0.76	dl/g	ASTM D 4603
Bulk Density	20	-	Lbs/ft ³	ISO 12418-2
	320	-	Kg/m ³	
Size	10	12	mm	Internal measure
Fines < 2mm	0	5	%	Sieve shaker analysis
pH	7	8	pH	Internal measure
Melting Point	245	255	°C	ASTM D 3418
PVC	0	30	ppm	ISO 12418-2
Glue/ Adhesive	0	10	ppm	
Impurities (Wood, Paper, Rubber)	0	10	ppm	Manual Sorting
Yellowish PET	0	100	ppm	
Metal Content	0	5	ppm	Metal separator
ColorTest				
L*	67	73	-	Colorimeter Hunterlab
a*	-2	2	-	
b*	0	6	-	
dE*	45	51	-	



TECHNICAL DATA SHEET

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Nº REF: PL-02-FCB

rPET -
FLAKES
WHITE
CLEAR B

rPET - FLAKES WHITE CLEAR B

General Information

Material type:	Recycled PET
Color:	White Clear
Source:	100% post-consumer plastic With at least over 95% from beverage bottles
Process:	Hotwash flake with optical bottle and flake sorter
Form:	Flake
Application:	Sheet, food grade bottles
Packaging:	PP Big Bag. Size: 500 kg /1.000 kg

Physical parameters

Parameter	Value	Unit	Test Standard
Intrinsic Viscosity	0.74 ± 0.04	dl/g	ASTM DI238
Melting Temperature	249 ± 2	°C	ASTM D-3418
Bulk Density	300 ± 20	kg/m ³	ISO 12418-2
Flake Size	<12	mm	Screen
Bulk Moisture	<1	%	ASTM D6980-17
L	>62		ASTM-D6290-19
a	-1 ± 2		ASTM-D6290-19
b	0 ± 2		ASTM-D6290-19
Washing Quality	Pass		Oven test

Purity parameters

Parameter	Value	Unit	Test Standard
PVC	<30	ppm	ISO 12418
Non-PET Polymers	<20	ppm	ISO 12418
pH	7.5		-
Dust and Fines (<1mm)	1	%	Screen
Flakes with Glue	<4000	ppm	-
Yellow and Aged Flakes (after bake)	<3000	ppm	100g/220 °C/60mins
PA	<50	ppm	ISO 12418
HDPE/PP	<20	ppm	ISO 12418
Wood, Paper, Cellulose	<20	ppm	ISO 12418
Silicone, Ruber	<20	ppm	ISO 12418
Light Blue Flake	>0.1	%	Visual Observation
Metal	<20	ppm	ISO 12418-2

