

Data Sheet PET flakes

Product: PET flakes
Chemical description: Polyethylene terephthalate
Delivery form: Semi-crystalline PET flakes
Appearance: Natural

Packaging:
 Big Bags (height x width x depth) 2300 x 1000 x 1000
 delivered on one-way wooden pallet
 (width x depth) 1000 x 1000

Description:
 Semi-crystalline PET flakes are produced out of PET post-consumer beverage bottles.

PROPERTIES	VALUE		UNIT		
Material Source	beverage bottles		-		
PET type	A		-		
Bulk density	250		kg/m ³		
Grain size	< 10 mm (max. 5% > 10 mm)		%		
QUALITY PARAMETER	VALUE	UNIT	TESTING		
Colour based on etalon before thermal exposure	1	-			
Following thermal exposure 200 °C/30 min	1	-			
Yellowed flakes	0,5	%			
Content of PVC	≤ 10	ppm			
Humidity	≤ 1,0	%			
Other polymers (PE,PP etc.)	≤ 100	ppm			
PA (polyamid)	≤ 0,05	%	2 x from a sample		
Contaminant					
wood, minerals, glass, metals, gum, textile, paper, Al content	≤ 40	ppm			
Flakes with glue	≤ 0,5	%			
Dust fraction (mesh 1,0 mm)	≤ 0,2	%			
I.V. min.	> 80	ml/g			
Melting point	> 243	°C			
Colour adulterants limit in unit	clear	green	blue	mixed	UNIT
clear	x	< 15	< 15	< 10	%
blue	< 5	< 10	x	40 ÷ 50	%
green	x	x	< 10	40 ÷ 50	%
brown	x	< 1	< 1	< 2	%
remainder	x	< 1	< 1	< 2	%

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