الأفق للتكنولوجيا ش.س.ح.
HorizonTechnologies FZC

HPET

TECHNICAL DATASHEET

Recycled PET Flakes (HPET)

Hot washed recycled Polyethylene Terephthalate Flakes

OVERVIEW

Description	Hot washed recycled PET flakes processed on HTF's German-engineered "B+B" washing line delivering super-clean flakes with elevated bulk density, dimensional stability, and mechanical properties.
Applications	Sheet extrusion and thermoforming applications such as trays, containers, bowls, cups and lids, industrial strapping, and polyester Fiber and yarn. Depending on the conversion machinery, also suitable for bottle-grade applications.
Characterization	Melting Point: 247 ±5°C, Washing Process: Hot washed + NaOH, Colour: Clear mixed with Blue
PCR content	100%
Visual	Clear & Light Blue

TYPICAL PROPERTIES

Property	Nominal Value (SI)	Unit	Test Method
Intrinsic Viscosity (IV)	0.70 ± 0.02	dl/g	Dynisco Polymer test LMI 5500
Melting Point	247 ± 5	°C	ASTM D3418 (DSC)
Moisture Content	≤ 1.00	%	Dry Oven
Bulk Density	300 ± 50	kg/m³	ASTM D1895
Particle Size	4 -12	mm	DIN EN 15348
Metal & Aluminum	< 50	ppm	Physical
Paper	< 50	ppm	Physical
PVC	< 50	ppm	30 min. at 220°C
Coloured Flakes	≤ 50	ppm	Physical
PET Flakes with Glue	≤ 4,000	ppm	30 min. at 220°C
PP / HDPE (Polyolefins)	< 50	ppm	30 min. at 220°C
Other Contamination	≤ 50	ppm	Physical

Note- *The above specifications represent the agreed quality requirements for the product. Actual values may vary within the stated specification limits.*
Packaging*: Jumbo bags on pallet, approx. 700–800 kg. Raw material: manufactured from post-consumer PET bottles.*

FSSC 22000 | ISO Quality Management System ISO 9001: 2015 | Global Recycled Standard ©TextileExchange

The information contained herein is to our knowledge accurate and reliable. Horizon Technologies FZC extends no warranties regarding fitness for a particular purpose or compliance to specifications and regulations. It is the customer's responsibility to test the product regarding suitability for a specific purpose.

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