الأفق للتكنولوجيا ش.س.م.
HorizonTechnologies FZC

HPET

TECHNICAL DATASHEET

Recycled PET Pellets (HPET)

Food-Grade Recycled Polyethylene Terephthalate Pellets – Grade 0.80

OVERVIEW

Description	RPET pellets produced from an FDA-approved, state-of-the-art Starlinger extrusion process under strictly defined and monitored process conditions and parameters.
Applications	Injection moulding, sheet extrusion, thermoforming, strapping, and polyester fibre/yarn spinning, including food-contact applications per migration testing below.
Characterization	Process: FDA-approved Starlinger extrusion, Grade: 0.80
PCR content	100%
Visual	Light Blue / Grey Pellets

TYPICAL PROPERTIES

Property	Nominal Value (SI)	Unit	Test Method
Intrinsic Viscosity (IV)	**0.80 ± 0.03**	**dl/g**	**Dynisco Polymer Test LMI 5500**
Colour (L* / a* / b*)	**≥ 65 (± 2) / ≤ -3 (± 1) / ≤ 1 (± 1)**	**–**	**X-Rite Ci60**
Pellet Size	**40**	**CPG**	**Physical**
Moisture Content	**≤ 0.20**	**%**	**Denver IR35**
Labels	**0**	**PPM**	**Physical**
PVC	**≤ 50**	**PPM**	**Physical**
PP / HDPE (Polyolefins)	**0**	**PPM**	**Physical**
Other Contamination	**≤ 20**	**PPM**	**Physical**
Acetaldehyde (Food Contact)	**ND (DL: 1.0)**	**PPM**	**METS IP 34**
Benzene (Food Contact)	**ND (DL: 1.0)**	**PPM**	**GCMS-HS**
Overall Migration (Food Simulants)	**≤ 4.5 (Limit 10)**	**mg/dm²**	**BS EN 1186-1/3:2022**
Heavy Metals (Pb, Cd, Cr, Hg, etc.)	**All < 0.01**	**mg/kg**	**METS-IP-19 (ICP-AES)**

Note- *The above specifications represent the agreed quality requirements for the product. Actual values may vary within the stated specification limits.*

Packaging*: 1.10 MT ± 5% per Jumbo bag with liner. Raw material: manufactured from post-consumer PET bottles via FDA-approved Starlinger extrusion process.*

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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