

Recycled PET (rPET) Flakes – Fiber Grade TDS

Re-Plastic Global

TECHNICAL DATA SHEET (TDS)

Recycled PET (rPET) Flakes – Fiber Grade

1. Product Introduction

Fiber Grade Recycled PET (rPET) Flakes are produced from post-consumer PET bottles through a strict process of sorting, hot washing, rinsing, and multi-stage cleaning to ensure stable quality and low contamination.

This grade is specially designed for polyester fiber (PSF) production, offering stable intrinsic viscosity (IV), low impurities, and consistent processing performance.

Fiber Grade rPET Flakes are widely used in:

- Polyester staple fiber (PSF)
 - Non-woven fabrics
 - Textile yarn production
 - Industrial polyester fiber applications
 - Filling materials (polyester fiber fill)
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2. Product Specification

Item	Index
Material	Recycled Polyethylene Terephthalate (rPET)
Grade	Fiber Grade
Intrinsic Viscosity (IV)	0.72 – 0.82 dL/g
Moisture Content	≤ 0.50 %
PVC Content	≤ 20 ppm
Metal Content (Fe, Al, Cu total)	≤ 8 ppm
Ash Content	≤ 0.20 %
Bulk Density	300 – 420 kg/m ³
Color Type	Hot Washed Clear / Slight Blue Tint
Particle Size	8 – 14 mm
Contamination	≤ 0.03 – 0.05 %

3. Packaging

Packaging Type	Specification	Loading Capacity (40HQ)
Jumbo Bag	1000 kg/bag	24 – 26 MTS
PP Woven Bag	25 kg/bag	18 – 20 MTS

Packaging can be customized according to customer requirements.

4. Storage & Handling

Store in a dry, clean, and well-ventilated warehouse.

Avoid moisture, direct sunlight, and contamination with foreign materials such as PVC or other polymers.

Maintain proper storage conditions to ensure stable IV value and processing performance.

5. Manufacturer / Supplier Information

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6. Disclaimer

The information provided in this Technical Data Sheet is based on our current knowledge and experience. It is intended to describe the product for general guidance only and does not constitute a guarantee of specific properties.