

Recycled PET (rPET) Flakes – Bottle-to-Bottle Grade TDS

Re-Plastic Global

TECHNICAL DATA SHEET (TDS)

Recycled PET (rPET) Flakes – Bottle-to-Bottle Grade

1. Product Introduction

Bottle-to-Bottle Grade Recycled PET (rPET) Flakes are produced from carefully selected post-consumer PET bottles through advanced sorting, hot washing, multi-stage purification, and high-temperature cleaning processes.

This grade is specifically designed for high-end recycling applications requiring superior purity, stable intrinsic viscosity (IV), and strict contamination control.

Bottle-to-Bottle rPET Flakes are suitable for food-contact and high-performance PET recycling applications.

rPET Flakes are widely used in:

- Bottle-to-bottle recycling (new PET bottle production)
 - Food-grade packaging materials
 - Beverage containers
 - Thermoforming sheets for food trays
 - High-end packaging applications
 - Closed-loop recycling systems
-

2. Product Specification

Item	Index
Material	Recycled Polyethylene Terephthalate (rPET)
Grade	Bottle-to-Bottle (B2B)
Intrinsic Viscosity (IV)	0.72 – 0.82 dL/g
Moisture Content	≤ 0.25 %
PVC Content	≤ 15 ppm
Metal Content (Fe, Al, Cu total)	≤ 5 ppm
Ash Content	≤ 0.08 %
Bulk Density	320 – 420 kg/m ³
Color Type	Hot Washed Clear (High Transparency)
Particle Size	8 – 14 mm
Contamination	≤ 0.02 %

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 clean, dry, and contamination-free warehouse environment.

Avoid exposure to moisture, direct sunlight, PVC contamination, and other foreign materials.

Proper sealed storage is required to maintain food-grade and bottle-to-bottle quality standards.

5. Manufacturer / Supplier Information

Company: Re-Plastic Global (Qingdao) Materials Recycling Co., Ltd.

Email: info@replasticglobal.com

WhatsApp: +86 13562654386 / +1 818 962 9305

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. Compliance with food-contact and bottle-to-bottle standards may vary depending on end-use application and regional regulations.