



## PRODUCT DATASHEET

**Product:** Recycled Polyethylene Terephthalate (RPET) Bottle Grade Polymer  
**Grade:** **VEGA 80P rPET** for Food Grade application

### Sales Specification:

Property	Unit	Value	Test Method	Equipment
Intrinsic Viscosity	dl/g	0.80 ± 0.02	ASTM D4603-3	AVS
Acetaldehyde	ppm	≤ 1	ASTM F 2013	HS Gas Chromatograph
Melting Point	°C	246-250	ASTM D3418	DSC
L* Color	CIE	≥ 65	ASTM D 6290	Colorimeter
b* Color	CIE	≤ 2.0		
Moisture (When Packed)	%	≤ 0.20	BIPJ/QC/3307	Moisture Balance
Chips per gram	No	50 ± 5	BIPJ/QC/ 3302	Gravimetric
Benzene	ppb	100 max	BIPJ/QC/3306	HS Gas Chromatograph
Limonene	ppb	50 max	BIPJ/QC/3306	HS Gas Chromatograph

VEGA rPET resin complies with US FDA 21 CFR 177.1630, EU Commission regulation 2022/1616 (Article 24) and RoHS directives 2011/65 EU.

### Product Description:

General Purpose food grade rPET pellets made from finest hot-washed PET bottle flakes produced inhouse through state of the art washing system. Flakes extruded into pellets using world renowned vacuum based drying and degassing system ensuring minimum drop in intrinsic viscosity (IV), minimum volatile components (VOC) generation and minimum discoloration. The amorphous pellets produced are subjected to solid state poly condensation for intrinsic viscosity build up. These rPET pellets are suitable for packaging of still water, sparkling water, wide mouth containers, alcoholic beverage, APET sheet, Strapping etc.

### Warranty:

BIPJ warrants its products comply with the specifications and does not make any other warranty, either expressed or implied regarding suitability of the products for any particular purpose. Buyers are requested to establish their own determination about safety, health, environmental protection and suitability of use for their intended purpose.

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