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TECHNICAL SPECIFICATION

Product : 'VINAPET' PET Chips

Quality:

Grade : A-grade (G085A)
Type : Polyester PET Bottle grade
Pellet Weight : 17.0 ± 1.5 mg / pellet

Properties:

I.V. : 0.85 ± 0.02 dl / g
COOH : ≤ 35 mmol / kg
DEG : 1.3 ± 0.2 %
Specific Gravity : 1.39 ± 0.01
Bulk Density : 0.9 ± 0.1 gms / cm³
Melting Point : $248 \pm 2^{\circ}\text{C}$
Color 'B' value : ≤ 2
Color 'L' value : ≥ 85
Acetaldehyde content : < 1 ppm
Moisture content : < 0.2 %
Physical appearance : Normal white chips, free from oil, dirt, dust, contaminants or any foreign matter.

Packing details:

1.1 MT bags

Packet weight : 1100 kg
Bags per 20' container : 20 nos
Net weight per 20' container : 22,000kg

(Note : the above specifications are for customers who use PET chips for specific application to produce Bottle grade performs. Deliveries are executed based on specific approval of samples or acceptance by customer.)



Reliance Industries Limited

Polyethylene Terephthalate	
Relpet[®] G5801	Copolymer PET

Product description and applications

Relpet[®] G5801 is bottle grade PET resin manufactured using DuPont's technology.

It is typically used for:

- Various foods, beverages, water etc.
- Containers for FMCG such as cosmetics, hair-oil, disinfectants
- Pharmaceuticals
- APET sheet and PET strapping

Features

Relpet[®] G5801 is engineered to provide

- Good processability
- Excellent clarity/gloss
- Properties balanced for wide range of general purpose usages.

Typical properties of Relpet[®] G5801 are as follows:

Sl. No.	Property	Unit	Value	Range	Equipment / Test method
1	Intrinsic Viscosity (IV)	dl/g	0.80	± 0.02	Ubbelohde Viscometer / ASTM D 4603 - 03
2	Acetaldehyde (AA)	ppm	1.0	Max.	Head Space & Gas Chromatography / QAF-PCL-3.413
3	Colour b*	CIE	0 to -3.	-	Hunterlab / QAF-PCL-3.211
4	Crystallinity	%	50	Min.	Density Gradient Column / QAF-PCL-3.415
5	Chips /g	No.	68	± 5	Weighment method / QAF-PCL-3.408
6	Fines	ppm	100	Max	Sieve Shaker / QAF-PCL-3.407

Certifications

Relpet[®] G5801 resin is considered safe for food-packaging applications based on compliance with FDA regulation 21 CFR Section 177.1630 and other similar food contact safety regulations, manufactured as per ISO 22000 certified system (FSMS). Relpet[®] is the registered trademark of Reliance Industries Limited for its brand of Polyethylene Terephthalate resin.



RIL's Hazira PET resin test methods (Sl # 1 to 4) are accredited as per National Accreditation Board for Testing & Calibration Laboratories India with certificate numbers T-0797&T-0798

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