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	Ubbelhode 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 Accredition Board for Testing & Calibration Laboratories India with certificate numbers T-0797&T-0798

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