Reliance Industries Limited

Polyethylene Terephthalate	
Relpet® G5841	***Copolymer PET***

Product description and applications

Relpet® G5841 is bottle grade PET resin manufactured using Du Pont's technology.

It is typically used for:

- Aerated drinks.
- Agro chemicals
- APET sheet and PET strapping

Features

Relpet® G5841 is engineered to provide:

- Good process ability
- Excellent clarity/gloss
- Very Good mechanicals

Typical properties Relpet® G5841 are as follows:

Sl. No.	Property	Unit	Value	Range	Equipment / Test method
1	Intrinsic Viscosity (IV)	dl/g	0.84	± 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® G5841 resin is considered safe for food-packaging applications based on compliance with FDA regulation 21 CFR Section 177.1630 & 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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