



Reliance Industries Limited

**Polyethylene Terephthalate**

**Relpet® QH5821**

**Copolymer PET**

**Product description and applications**

Relpet® QH5821 is a fast reheat type bottle grade PET resin manufactured using Du Pont's technology.

It is widely used for aerated drinks.

**Features**

This grade is engineered for enhanced energy absorption which can result in increased output or reduced heating load and better process flexibility during blowing.

Typical properties of Relpet® QH5821 are as follows:

Sl. No.	Property	Unit	Value	Range	Equipment / Test method
1	Intrinsic Viscosity (IV)	dl/g	0.84	+/- 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	-3.0 to -5.0	-	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® QH5821 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 (SI # 1 to 4) are accredited as per National Accreditation Board for Testing & Calibration Laboratories India with certificate numbers T-0797&T-0798