



## Reliance Industries Limited

### Polyethylene Terephthalate

**Relpet<sup>®</sup> H7761**

**Hot fill applications**

#### Product description and applications

Relpet<sup>®</sup> H7761 is bottle grade PET resin manufactured using Du Pont's technology.

Relpet<sup>®</sup> H7761 is specially formulate for hot filling of products like Juices, Ice Tea, Isotonic drinks etc.

#### Features

Relpet<sup>®</sup> H7761 is engineered to provide:

- Good process ability
- Higher neck and body crystallinity
- Excellent clarity and gloss

Typical properties of Relpet<sup>®</sup> H7761 are as follows:

Sl. No.	Property	Unit	Value	Range	Equipment / Test method
1	Intrinsic Viscosity (IV)	dl/g	0.76	± 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	Balance / QAF-PCL-3.408
6	Fines	ppm	100	Max	Sieve Shaker / QAF-PCL-3.407

**Note:** IV as per QAF-PCL-3.414 (Ubbelohde Viscometer) is 0.78 dl/g

#### Certifications

Relpet<sup>®</sup> H7761 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<sup>®</sup> 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

