

Technical Data Sheet

Manufacturer:

Reliance Industries Limited

Product:

Polyethylene Terephthalate

Grade:

Relpet® GL5000

Specifications:

Typical properties of Relpet® GL5000 are as follows:

Sl. No.	Property	Unit	Value	Range	Equipment / Test method
1	Intrinsic Viscosity (IV)	dl/g	0.89	± 0.02	Ubbelhode Viscometer / ASTM D 4603
2	Colour b*	CIE	< 0	-2.0 to - 4.0	Hunterlab / QAF-PCL-3.211
3	Colour a*	CIE	< 1	1 to -3.0	Hunterlab / QAF-PCL-3.211
4	Crystallinity	%	> 50	Min.	Density Gradient Column / QAF - PCL - 3.415
5	Chips /g	No	65	± 5	Balance / QAF-PCL-3.408
6	Fines	ppm	100	Max	Sieve Shaker / QAF-PCL-3.407
7	Melting Point	C	238	± 3	DSC QAF-PCL 3.416

Disclaimer: This document is for information purposes only. Customers are responsible for testing and confirming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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Product Description and Applications:

Relpet® GL5000 is PET resin, manufactured using Du Pont's technology.

It is typically used for :

- Thick preforms for multi-trip bottles
- Cosmetic containers with thick side wall
- Thick APET sheets

Features:

Relpet® GL5000 is engineered to provide:

- Good process ability
- Excellent clarity/gloss
- Very Good mechanicals
- Low moisture when packed (<0.2%)

Certifications:

Relpet® GL5000 resin is considered safe for food-packaging applications based on compliance with FDA regulation 21 CFR Section 177.1630 and manufactured as per ISO 22000 certified system (FSMS).

Relpet® is the registered trademark of Reliance Industries Limited for its brand of Polyethylene Terephthalate resin.

Manufacturer Notice:

The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or local.

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