

Technical Data Sheet

Manufacturer:

Reliance Industries Limited

Product:

Polyethylene Terephthalate

Grade:

Relpet® IM5590

Type:

Copolymer PET

Specifications:

Typical properties Relpet® IM5590 are as follows:

Sl. No.	Property	Unit	Value	Range	Equipment / Test method
1	Intrinsic Viscosity (IV)	dl/g	0.57	± 0.02	Ubbelohde Viscometer / ASTM D 4603
2.	Melting point	°C	247	± 3	DSC QAF - PCL -3 -416
3	Colour b*	CIE	0 to -3	-	Hunterlab / ASTM D 6290
4	Crystallinity	%	48	Max.	Density Gradient Column / ASTM - D1505 / D 792
5	Fines	ppm	100	Max	Sieve Shaker using ASTM-16 mesh / QAF-PCL-3.407
6	Moisture (when packed)	%	< 0.2	Max	QAF-PCL- 3.218

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:

Relpet® IM5590 is PET copolymer, manufactured using Du Pont's technology.

A versatile polymer specially developed for use in manufacturing medical devices such as blood tubes.

Features:

This grade has excellent process ability, clarity, gloss yet offer best vacuum retention properties.

Helps in moulding thin wall products requiring high transparency and gloss.

Certifications:

Relpet® IM5590 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. Manufacturing facilities and system meet ISO 22000 standard.

Relpet® is registered trademark of Reliance Industries Limited.

PET manufacturing test facility/methods are accredited as per National Accreditation Board for Testing & Calibration Laboratories, India.

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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