

	Product Data Sheet	Issue Date : 01.01.10
Product Name	Futura PasPET - Type 407	Old Type No. 400106

Recommended Applications

- ▶ Pasteurizable Juices and Flavoured drinks.

Product Features

- ▶ Futura PasPET is a PET based resin containing naphthalates.
- ▶ Futura PasPET provides in-built UV barrier up to 375 nm, high clarity, and good dimensional stability.
- ▶ Futura PasPET container withstands Tunnel Pasteurisation at 75°C for 10 mins.
- ▶ Futura PasPET container does not require vacuum panels and standard blowing is enough.
- ▶ Futura PasPET is in full compliance with USFDA regulations and EU norms.
- ▶ Futura PasPET is completely recyclable under SPI code no.1

Properties

Characteristic	Unit	Type 407	Test Method
		D10	
Intrinsic Viscosity @ 30°C	dL/g	0.76 ± 0.02	FPL-QP-V-20-58
b* Color	CIE Lab	-2 ± 2	FPL-QP-S-20-55-Part-B-XXI
Carboxyl Number	meq/kg	25 max.	FPL-QP-T-20-55-Part-B-VIII
Melting Point	°C	244 ± 3	FPL-QP-DSC-20-55-Part-B-XVIII #
Acetaldehyde	ppm	1.0 max.	FPL-QP-GC-20-55-Part-B-XII
Bulk Density	g/cc	0.85 ± 0.10	FPL-QP-P-20-55-Part-B-XX
Weight of 20 Chips	mg	300 ± 50	FPL-QP-W-20-55-Part-A-I
Moisture (when packed)	wt. %	0.25 max.	FPL-QP-E-20-55-Part-B-VI

Determined using DSC second heating cycle.

Processing Parameters

a) Drying Condition

Granules must be thoroughly dried before processing to limit the occurrence of hydrolytic degradation.

Drying temperature	165 ± 5 °C
Drying time	4- 5 hours
Dew point	- 40 °C
Residual moisture content	≤ 25 ppm

b) Process Temperature** (Injection Stretch Blow Molding)

Barrel Temperature	290 ± 5 °C
Mold Temperature	290 ± 5 °C
Preform Temperature	115 ± 5 °C

** The values quoted above are typical numbers for benchmarking. Individual machine parameters should be determined on a case-by-case depending on the design of the product(s).

Packing

Resin can be supplied in 1000 kg PP jumbo bags with LDPE liner at 20 bags per 20 ft FCL container as required.

Contact Address

Futura Polymers,
a division of Futura Polyesters Limited,
1-A Kamarajar Salai, Manali,
Chennai, India - 600 068.

Tel : + 91 44 25941313 – 17, 25941704 – 05
Fax : + 91 44 25941615, 1054, 1566
e-mail : futurach@futurapolyesters.com
Web : www.futurapolyesters.com

All products are under continual improvement. Rights are reserved to modify product/process without prior notice subject to performance criteria as per product data sheet