

	<b>Product Data Sheet</b>	Issue Date : 01.01.10
<b>Product Name</b>	<b>Futura ClearPTT – Type 210</b>	Old Type No. 6001

### Recommended Applications

- ▶ Textile fibers, Monofilament and Carpets.
- ▶ Engineering Thermoplastics.

### Product Features

- ▶ Futura ClearPTT is a Polytrimethylene terephthalate (PTT) based thermoplastic polyester resin without delustering agent TiO<sub>2</sub>.
- ▶ Futura ClearPTT resin is derived from purified terephthalic acid (PTA) and 1,3-propanediol (PDO).
- ▶ Futura ClearPTT is used when bright and shiny luster is desired in the textile material.
- ▶ Futura ClearPTT provides easy dyeing enhanced stain resistance, elastic recovery, resilience, high bulk and soft feel on touch.
- ▶ Intrinsic Viscosity can be customized as per customer's requirement.

### Properties

Characteristic	Unit	Type 210		Test Method
		D13	D21	
Intrinsic Viscosity @ 30°C	dL/g	0.92 ± 0.02	1.30 ± 0.02	FPL-QP-V-20-58
b* Color	CIE Lab	4.0 ± 1.5	6.0 ± 1.5	FPL-QP-S-20-64-II
Carboxyl Number	meq/kg	25 max.	25 max.	FPL-QP-T-20-64-XVIII
Melting Point	°C	231 ± 3	231 ± 3	FPL-QP-DSC-20-55-Part-B-XVIII #
Bulk Density	g/cc	0.86 ± 0.10	0.86 ± 0.10	FPL-QP-P-20-64-XIX
Weight of 20 chips	mg	350 ± 50	350 ± 50	FPL-QP-W-20-55-Part-A-I
Moisture (when packed)	wt. %	0.25 max.	0.25 max.	FPL-QP-E-20-64-XIV

# Determined using DSC first heating cycle.

### 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

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