

	Product Data Sheet	Issue Date : 01.01.10
Product Name	Futura DelusteredPTT - Type 211	Old Type No. 6002

Recommended Applications

- ▶ Textile fibers, Monofilament and Carpets.

Product Features

- ▶ Futura DelusteredPTT is a Polytrimethylene terephthalate (PTT) based thermoplastic polyester resin with TiO₂ as a delustering agent.
- ▶ Futura DelusteredPTT resin is derived from purified terephthalic acid (PTA) and 1,3-propanediol (PDO).
- ▶ Futura DelusteredPTT is used where bright and shiny luster is not desired in the textile material.
- ▶ Futura DelusteredPTT 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 211		Test Method
		D13	D21	
Intrinsic Viscosity @ 30°C	dL/g	0.92 ± 0.02	1.30 ± 0.02	FPL-QP-V-20-58
TiO ₂ Content	wt. %	0.40 ± 0.04	0.40 ± 0.04	FPL-QP-A-20-55-Part-B-XXIV
b* Color	CIE Lab	3.5 ± 1.5	5.0 ± 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.

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