NAN YA PLASTICS CORPORATION

TAIRILIN PET Resin

Type No: 386E

Tairilin 386E is a semi-crystalline copolymer resin with a nominal intrinsic viscosity of 0.86dl/g. Tairilin 386E resin is especially designed to have low melting point, higher melt strength, slow crystallization rate and low oligomer, which is especially suitable for direct extrusion coating/lamination process with high adhesion onto steel or aluminum sheet.
Tairilin 386E is synthesized by antimony_free catalyst in melt state polycondensation (MSP) and then goes through solid state polycondensation(SSP).
Tairilin 386E resin is produced in a state of the art continuous MPP process and then in continuous SSP process, which these processes are combined with a strict quality monotoring system. In these continuous processes, polymer goes through several fine filtration system to ensure the cleanse of the resin.
These production facilities are approved by ISO9001, ISO14001 and OHSAS 18001 systems to confirm the outstanding quality.
Tairilin 386E resin conforms to FDA Regulation 177.1630, and is an environmental friendly product with the important advantage of being totally recyclable.

Technical Data Sheet

Items		Units	Value	Test Method
Intrinsic Viscosity		dl/g	0.860 ± 0.02	Refer to ASTM D4603
Melting temperature		℃	210 ± 3	ASTM D3418
Ash Content		%	≦ 0.02	Nan Ya Method
Moisture		%	≦ 0.30	Nan Ya Method
Acetaldehyde		ppm	≦ 1.0	Gas Chromatography
Acid value		10-6equ/g	20 ± 10	Titration Method
Bulk Density		g/cm3	0.87 ± 0.05	JIS K-5101
Chip Size		chips/2g	98 ± 3	Weight scale
Fines		ppm	＜ 100	Nan Ya Method
Color	L Value	-	81.0 ± 2.0	ASTM E1164
	b Value	-	8.0 ± 1.0	ASTM E1164
The following are provided as suggesting value for reference				
Drying Condition	Dew point		℃	-40
	Air flow		ft^3/min	1 / per pound chip per hour
	Residence		hr	7～5
	Temperature		℃	160～170
Moulding temperature			℃	275～290
Resin storage conditions at converter			Store PET bag in dry and clean warehouse. Consume PET resin within 1 year from packed date.	

(update on April 29, 2013)