

# NAN YA PLASTICS CORPORATION

## TAIRILIN Bottle Grade PET Resin

Type No: 390A [Lot No.1EFA8]

Tairilin 390A is a highly copolymeric semi-crystalline resin with nominal intrinsic viscosity of 0.780dl/g. This resin possess low crystallization rate, larger processing window and lower melting temperature during injection and stretch-blow molding. The inhibited crystallization rate of 390A resin is suitable for high thickness parts with high clarity, and the highly brightness of 390A resin is especially suitable for the cosmetic parts via injection molding or injection stretch blow molding.

390A resin is produced in a state of the art continuous polymerization technology and is combined with a strict quality monitoring system. The production facilities producing 390A resin are approved by ISO9001, ISO14001 and OHSAS 18001 systems to confirm the outstanding quality.

390A resin conforms to FDA Regulation 177.1630, and is widely used for food and beverage packaging. 390A resin 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	0.780 ± 0.02	Refer to ASTM D4603
Melting temperature		°C	224 ± 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	30 ± 10	Titration Method
Bulk Density		g/cm <sup>3</sup>	0.89 ± 0.05	JIS K-5101
Chip Size		chips/2g	130 ± 3	Weight scale
Fines		ppm	< 100	Nan Ya Method
Color	L Value	-	88.0 ± 2.0	ASTM E1164
	b Value	-	-1.0 ± 1.0	ASTM E1164
<b>The following are provided as suggesting value for reference</b>				
<b>Drying Condition</b>	Dew point		°C	-40
	Air flow		ft <sup>3</sup> /min	1 / per pound chip per hour
	Residence		hr	7 ~ 5
	Temperature		°C	160 ~ 170
Moulding temperature			°C	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 December 11, 2015)