

NAN YA PLASTICS CORPORATION

TAIRILIN Bottle Grade PET Resin

Type No: 390A

Tairilin 390A is a highly copolymeric semi-crystalline resin with nominal intrinsic viscosity of 0.830dl/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	0.830 ± 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 ³	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	-	0 ± 1.0	ASTM E1164
The following are provided as suggesting value for reference				
Drying Condition	Dew point	°C	-40	
	Air flow	ft ³ /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)