

# NAN YA PLASTICS CORPORATION

## TAIRILIN Bottle Grade PET Resin

Type No: 3632

Tairilin 3632 is a crystallized copolymer resin with a nominal intrinsic viscosity of 0.63dl/g. Tairilin 3632 resin is especially designed to have high melt flow capability, inhibited crystallization rate and high transparency for injection process, which is especially suitable for pharmaceutical test tubes such as blood collection tubes which require mechanical, gloss and brightness properties.

Tairilin 3632 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 3632 resin are approved by ISO9001, ISO14001 and OHSAS 18001 systems to confirm the outstanding quality.

Tairilin 3632 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	0.63 ± 0.02	Refer to ASTM D4603	
Melting temperature	°C	238 ± 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	132 ± 3	Weight scale	
Fines	ppm	< 100	Nan Ya Method	
Color	L Value	-	86.1 ± 2.0	ASTM E1164
	b Value	-	-3.6 ± 1.0	ASTM E1164
The following are provided as suggesting value for reference				
Drying Condition	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 August 1, 2014)