



# FORMOSA INDUSTRIES CORPORATION

## POLYESTER FIBER DIVISION

### VIETNAM STAPLE FIBER PLANT

#### TAIRILIN Bottle Grade PET Resin

**Type No: 3842, Lot 3SF06 Blue tint**

Tairilin 3842 is a copolymer resin with a nominal intrinsic viscosity of 0.84 dl/g.

This resin possesses excellent melting characteristic, optimized crystallization rate, large process window and stability during injection and stretch-blow molding.

Specifically, 3842 resin has the advantage of wide processing window during injection and stretch blow molding, this allows for a shorter cycle time and higher production speed. Furthermore, bottles made from 3842 resin have higher strength, better resistance of caustic stress cracking.

Tairilin 3842 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 3842 resin are approved by ISO9001, ISO14001 and OHSAS 18001 systems to confirm the outstanding quality.

3842 resin conforms to FDA Regulation 177.1630 and European Directives, and is widely used for food and beverage packaging. 3842 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	0.840 ± 0.02	ASTM D4603
Melting temperature		°C	246 ± 3	ASTM D3418
Ash Content		%	≤ 0.02	Nan Ya Method
Moisture		%	≤ 0.30	Nan Ya Method
Acetaldehyde		ppm	≤ 1.0	Gas Chromatography
Carboxylic end group		10 <sup>-6</sup> equ/g	30 ± 10	Titration Method
Bulk Density		g/cm <sup>3</sup>	0.89 ± 0.05	JIS K-5101
Chip Size		pc/2g	140 ± 5	Weight scale
Fines		ppm	< 100	Nan Ya Method
Color	L* Value	-	89.8± 2.0	CIE L*a*b*
	b* Value	-	-2.0± 1.0	CIE L*a*b*
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.		

The figures stated in this catalogue are for reference only, real datas are based on Certificate of Analysis.

(update on 2021/03/17)



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