



FORMOSA INDUSTRIES CORPORATION POLYESTER FIBER DIVISION VIETNAM STAPLE FIBER PLANT

TAIRILIN Bottle Grade PET Resin

Type No: 3760, Lot 3SF38 Neutral tint

Tairilin 3760 is a copolymer resin with a nominal intrinsic viscosity of 0.76dl/g.

This resin, designed for hot-filled applications, possesses excellent melting and crystallization characteristics. Specifically, the optimized crystallization rate of 3760 resin yields advantages in production speed and bottle clarity. The uniform crystallization rate of 3760 resin minimizes uneven shrinkage of the bottle during processing. Therefore, the bottles made with 3760 resin are capable of higher hot-fill temperature and better dimensional stability.

Tairilin 3760 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 3760 resin are approved by ISO9001, ISO14001 and OHSAS 18001 systems to confirm the outstanding quality of the product. 3760 resin has been accepted by international well-known beverage companies.

3760 resin conforms to FDA Regulation 177.1630 and European Directives, and is widely used for food and beverage packaging. 3760 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	0.760 ± 0.02	ASTM D4603	
Melting temperature	°C	252 ± 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 ⁻⁶ equ/g	30 ± 10	Titration Method	
Bulk Density	g/cm ³	0.89 ± 0.05	JIS K-5101	
Chip Size	pc/2g	140 ± 5	Weight scale	
Fines	ppm	< 100	Nan Ya Method	
Color	L* Value	-	91.0± 2.0	CIE L*a*b*
	b* Value	-	-0.6± 1.0	CIE L*a*b*

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.	

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

(update on 2021/03/17)

Plant Manager: _____

S.C. Liu

