

NAN YA PLASTICS CORPORATION

TAIRILIN Bottle Grade PET Resin

Type No: 3762

Tairilin 3762 is a copolymer resin with a nominal intrinsic viscosity of 0.76dl/g.

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

Specifically, 3762 resin has the advantage of wide processing window during injection and stretch blow molding, this provides a lower generation of acetaldehyde and higher clarity in bottles. 3762 resin is specially designed for applications of bottled water, cooking oil and alcoholic beverage applications or for the bottles with wide mouth.

Tairilin 3762 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 3762 resin are approved by ISO9001,ISO14001 and OHSAS 18001 systems to confirm the outstanding quality of the product.

3762 resin conforms to FDA Regulation 177.1630, and is widely used for food and beverage packaging. 3762 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	Refer to ASTM D4603
Melting point		℃	242 ± 3	ASTM D3418
Ash Content		%	≤ 0.02	Ignition
Moisture content		%	≤ 0.30	Oven
Acetaldehyde		ppm	≤ 1.00	Gas Chromatography
Acid value		equ/g×10-6	30 ± 10	Titration
Bulk Density		g/cm3	0.89 ± 0.05	JIS K-5101
Pellet size		chips/2g	130 ± 3	Weight scale
Fines		ppm	< 100	Sieve
Color	L value	—	86.5 ± 2.0	ASTM E1164
	b value	—	-1.8 ± 1.0	ASTM E1164
The following are provided as suggesting value for reference				
Drying Condition	Dew point	℃	-40	
	Air flow	ft ³ /min	1 / per pound chip per hour	
	Residence	hr	7 ~ 5	
	Temperature	℃	160 ~ 170	
Moulding temperature		℃	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 July 27, 2010)