

NAN YA PLASTICS CORPORATION

TAIRILIN Bottle Grade PET Resin

Type No: AA08E

Tairilin AA08E is a copolymeric resin with a nominal intrinsic viscosity of 0.84dl/g. AA08E resin is specially designed to have the advantage of fast reheat performance during the preforms are reheated by near Infrared lamps. Furthermore, the preforms and bottles made there from are not so dark in compared with competitive resins. AA08E resin is suitable for the carbonated soft drinks bottles, which has critical requirements regarding to strength and resistance of caustic stress cracking. AA08E resin possesses excellent melting characteristic, optimized crystallization rate, large process window, good transparency and good thermal stability during injection and stretch blow moulding. These features allow the resin to be processed at shorter cycle time and higher production speed , which reduce the costs of converters. Tairilin AA08E resin is produced in a state of the art continuous polymerization technology and is combined with a strict quality monitoring system. The production facilities are approved by ISO9001, ISO14001 and OHSAS18001 systems. Tairilin AA08E resin conforms to FDA Regulation 177.1630, and has been accepted by international carbonated soft drink companies. Tairilin AA08E resin is an environmental friendly product with the advantage of being totally recyclable.

Technical Data Sheet:

Items	Units	Value	Test Method	
Intrinsic Viscosity	dl/g	0.840 ± 0.02	Refer to ASTM D4603	
Melting point	°C	245 ± 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	20 ± 10	Titration	
Bulk Density	g/cm ³	0.89 ± 0.05	JIS K-5101	
Pellet size	chips/2g	128 ± 3	Weight scale	
Fines	ppm	< 100	Sieve	
Color	L value	–	80.0 ± 2.0	ASTM E1164
	b value	–	-3.0 ± 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 July 27, 2010)