

BOTTLE GRADE POLYESTER CHIPS CZ-328A



Product introduction

"JADE" Brand Copolyester "CZ-328A" CSD grade polyester chips are called fast reheated chips, which are suitable for applying the two step blowing process to make packing bottles for carbonated drinks and have been widely used by manufactures in South and North America, Europe and Coca-cola China.

During the production process, this kind of chips has the main characteristics of fast absorption of heat, lowering energy consumption, increasing blowing speed and output, and improving efficiency. Due to the unique process recipe and advanced production technology, this new product has excellent properties and leaves the main performance standards as basic Carbonated bottle grade chips unchanged. The color for this kind of chips is a little bit dull, but the end products are excellent in transparency.

Ttem		Unit	Index	Test method
Intrinsic Viscosity (Foreign Trade)		dL/g	0.850 ± 0.02	ASTM D4603
Content of acetaldehyde		ppm	≤ 1	Gas chromatography
Color value	L	—	≥ 72	HunterLab
	b	—	≤ 0	HunterLab
Carboxyl end group		mmol/kg	≤ 30	Photometric titration
Melting point		°C	243 ± 2	DSC
Water content		wt%	≤ 0.2	Weight method
Powder dust		ppm	≤ 100	Weight method
Wt. of 100 chips		g	1.55 ± 0.10	Weight method

Typical processing conditions

Drying is necessary prior to the melt processing to prevent the resin from hydrolysis. Typical drying conditions are an air temperature of 165-185°C , 4-6 hours residence time, dew-point temperature below -40°C .

Typical barrel temperature about 280-298°C.