



BOTTLE GRADE POLYESTER CHIPS CZ-302



Product introduction

"JADE" Brand Copolyester "CZ-302" bottle grade polyester chips are suitable for making the packing bottles for pure water、natural mineral water、distilled water、drinking water、flavoring and candy containers, makeup's bottle and PET sheet material etc.

The brand of product features low heavy metal content, low content of acetaldehyde、good color value、stable viscosity. With a unique process recipe and advanced production technology, the product possesses excellent processing features, low processing temperature, wide scope in processing, excellent transparency and high in finished product rate. In making bottles, the product has a small degradation and low content of acetaldehyde. While ensuring safety and hygiene, it can effectively keep the respectively unique taste of purified water、mineral water and distilled water.

Technical index



Item		Unit	Index	Test method
Intrinsic Viscosity (Foreign Trade)		dL/g	0.800 ± 0.02	GB17931
Content of acetaldehyde		ppm	≤ 1	Gas chromatography
Color value	L	—	≥ 82	HunterLab
	b	—	≤ 1	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 160-180°C , 4-6 hours residence time, dew-point temperature below -40°C .

Typical barrel temperature about 275-293°C.

