

BOTTLE GRADE POLYESTER CHIPS CZ-328H



Product introduction

"JADE" Brand Copolyester "CZ-328H" bottle grade polyester chips are TPA-based polyethylene terephthalic copolymer. It is a high molecular weight polymer for general use in manufacturing containers. It can be used in the production of making 3-gallon and 5-gallon big bottles.

The brand of product features low heavy metal content, low content of acetaldehyde, good color value, stable viscosity and good for processing. With a unique process recipe and advanced production technology, strengthening the process control and quality management, the product has low temperature processing, wide scope in processing, excellent in transparency, high in strength.

Technical index

Item		Unit	Index	Test method
Intrinsic Viscosity (Foreign Trade)		dL/g	0.870 ± 0.02	ASTM D4603
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 165-185°C, 4-6 hours residence time, dew-point temperature below -40°C.

Typical barrel temperature about 280-300°C.