# POLYESTER CHIPS CZ-333 TECHNICAL DATA SHEET



## • Туре

"JADE" Brand , homopolyester.

### Description

"JADE" Brand homopolyester "CZ-333" bottle grade polyester chips 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, the product, when being thermoformed in SIPA, SIDEL, ASB etc. primary bottle-making machines under general conditions, has high tropism rate, stable crystallinity and good fluidity with low stress-releasing rate in the whole bottle, stable thermal contraction rate and high finished product rate in making bottles, can satisfy the requirement of being bottled at about 90° C and protect drinks from discoloration or oxidization in storage period and prevent the deformation of the bottles.

### Applications

specially used for hot-filling bottles according to that tea drinks, fruit-juice drinks and other medium type drinks require to be hot bottled for sterilization.

### 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  $-40^{\circ}$ C. Typical barrel temperature about 285-298°C.

No.	ITEMS DESCRIBE	UNIT	INDEX	TEST METHOD
01	Intrinsic Viscosity (Foreign Trade)	dL/g	0.800±0.02	GB17931
02	Content of acetaldehyde	ppm	≤1	Gas chromatography
03	Color value L	—	≥82	Hunter Lab
04	Color value b	—	≤1	Hunter Lab
05	Carboxyl end group	mmol/kg	≪30	Photometric titration
06	Melting point	°C	250 ±2	DSC
07	Water content	wt%	≪0.2	Weight method
08	Powder dust	PPm	≤100	Weight method
09	Wt. of 100 chips	g	1,55±0.10	Weight method

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