

POLYESTER CHIPS CZ-333

TECHNICAL DATA SHEET



■ Type

"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°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