

# POLYESTER CHIPS CZ-302

## TECHNICAL DATA SHEET



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### ■ Type

"JADE" Brand , Copolyester.

### ■ Description

"JADE" Brand Copolyester "CZ-302" bottle grade polyester chips 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.

### ■ Applications

They 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.

### ■ 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.

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 L ab
04	Color valueb	—	≤1	Hunter L ab
05	Carboxyl end group	mmol/kg	≤30	Photometric titration
06	Melting point	°C	243 ±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