

POLYESTER CHIPS CZ-318

TECHNICAL DATA SHEET



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■ Type

"JADE" Brand , Copolyester.

■ Description

"JADE" Brand Copolyester "CZ-318" 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 transparency and can satisfy the thicker and more varieties processing requirements of small-package edible oil bottles、liquor bottles、medicine bottles and sheets, possessing the features of low processing temperature, wide scope in processing, excellent transparency, high strength and high finished product rate.

■ Applications

It is developed and produced according to the higher strength、isolation、transparency and better processing feature etc. special using properties required by bottles for carbonated drinks, small-package edible oil bottles liquor bottles、medicine bottles、washing cosmetics bottles 、wild-mouth bottles and PET sheets.

■ 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 275-295°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