



JADE CZ-333 Hot-filled Bottle Grade PET Chips

Product introduction

JADE CZ-333 bottle grade polyester chips is for hot-filling bottles, like tea drinks, fruit-juice drinks and other medium type drinks. The grade has 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.

The brand of product 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.

Technical index

Item	Unit	Index	Test method
Intrinsic Viscosity (Foreign Trade)	dL/g	0.850 ± 0.02	GB17931
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 160-180°C, 4-6 hours residence time, dew-point temperature below -40°C .

Typical barrel temperature about 275—293°C.

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