

## PET Chips- CZ-302 (JADE)

### Technical specification

Item		Unit	Test Method	CZ-302
Intrinsic Viscosity		dL/g	GB17931	0.800 +/- 0.02
			ASTM D4603	
			GB/T 14190	
			GB/T 17932	
Content of Acetaldehyde		ppm	Gas chromatography	≤1
Color value	L	-	Hunter Lab	≥82
		-	GB/T 14190	
	b	-	Hunter Lab	≤1
		-	GB/T 14190	
Carboxyl end group		mmol/kg	Photometric titration	≤30
			GB/T 14190	
Melting Point		°C	DSC	243 +/- 2
			GB/T 14190	
DEG content		wt%	Gas chromatography	
			GB/T 14190	
Water Content		wt%	Weight method	≤0.2
			GB/T 14190	
Powder dust		ppm	Weight method	≤100
			GB/T 14190	
Wt. of 100 chips		g	Weight method	1.55 +/- 0.10
Agglomerate particle		pc/mg	GB/T 14190	
			Microscopic method	
SiO2		ppm	Weight method	
Abnormal Chip		wt%	Weight method	

“JADE “Brand “CZ-302” bottle-grade polyester chips are suitable for making the packing bottles for pure water、 natural mineral water、 distilled water、 drinking water、 flavouring and candy containers, PET sheet material etc. The product features low heavy metal content、 low content of acetaldehyde、 good color value、 stable viscosity. With a unique process recipe and production technology, the brand of product possesses excellent processing features, low processing temperature, and 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.

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