Bottle Grade PET Chip WK-881

WK-881 is a kind of PET polymer material which is widely used in the bottles of all kinds of sparkling beverage and CSD bottles. The finished product can effectively prevent the leakage of CO_2 in sparkling beverage bottles. This product is in compliance with the regulations of China GB 9685, GB 4806.6, (EU) No 10/2011 and US FDA 21 CFR 177.1630.

Features:

- Food grade PET
- Low AA content, stable molecular weight, and distribution
- Good processing performance and compatibility
- Good production stability, high production efficiency and yield
- Good transparency, high strength, good performance of pressure and stress cracking resistance good barrier performance

Technical Data

Parameter	Unit	Value	Test method
Intrinsic Viscosity	dL/g	0.870±0.015	Q/WK007
Acetaldehyde Content	μg/g	≤1.0	Q/WK007
Color (L-value)	--	≥83.0	Q/WK007
Color (b-value)	--	≤-0.5	Q/WK007
Peak Temperature when Melting (DSC by Nitrogen)	℃	242± 2	Q/WK007
Moisture Content	%	≤0.20	Q/WK007

Typical applications: Sparkling beverage and CSD bottles

WK-881 has low AA content, high production efficiency, good transparency of finished products, good barrier performance, strong pressure resistance. WK-881 is widely used in carbonated beverage bottles. Sparkling beverage and CSD bottles produced with WK-851 are not fragile, lower in production loss, lighter and recyclable than glass bottles. It can effectively prevent the leakage of carbon dioxide in sparkling beverage bottles.

Production process introduction

- The product is kept in a complete package and stored in a dry indoor warehouse at room temperature and should not be exposed to the direct sunlight. It is recommended to use it within 2 years, and it should be used immediately after opening the package.
- If the moisture in the product is not completely removed before processing, it will cause hydrolysis and reduce its molecular weight and reduce the performance of the final product.

Therefore it is recommended that the product be dried at 160-180℃ for 4-6 hours before processing is fully dewatered.

Important Notice for Use in Processing

Storage

The products shall be kept in a complete package, stored in a normal temperature and dry indoor warehouse, and shall not be exposed to the direct sunlight; Product has no expiry date, but it is recommended to use within 2 years, and it shall be used immediately after opening.

Processing conditions

The product shall be fully dried before use. It is recommended to dry under 160-180℃ hot air for 4-6 hours; Dew points no higher than - 40 ℃; Melting temperature: 280-300 ℃