

Bottle Grade PET Chip WK-821

WK-821 is a kind of PET polymer material which is widely used in bottles of edible oil. It is mainly used in the production of edible oil, wine, medical and sparkling beverage bottles, and APET sheets. This product is in compliance with the regulations of China GB 9685, GB 4806.6, (EU) No 10/2011 and US FDA21 CFR177.1630.

Features:

- Food grade PET
- Low AA content, good color, stable molecular weight, and distribution
- Excellent processing performance and compatibility, low processing temperature, wide processing range
- Good production stability, high production efficiency and yield
- Good transparency, high strength, and good barrier performance of the finished product



Technical Data

Parameter	Unit	Value	Test method
Intrinsic Viscosity	dL/g	0.830±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)	°C	242± 2	Q/WK007
Moisture Content	%	≤0.20	Q/WK007

Typical applications: Edible oil bottles

WK-821 has high viscosity, high stability, aging resistance, and high antibacterial performance. It meets the requirements of oil bottle level packaging, good transparency, and high strength, and is widely used in the production of edible oil 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 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°C 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°C hot air for 4-6 hours; Dew points no higher than - 40 °C; Melting temperature: 280-300 °C