



## Wankai PET bottle grade

### WK-901

© Polyethylene Terephthalate (PET) WK-901

"WANKAI" Brand "WK-901" PET resin bottle grade is TPA-based polyethylene terephthalic copolymer. It is a high molecular weight polymer for general use in manufacturing containers. It can be used in the production of making packing bottles for carbonated soft drink like cola and 3-gallon, 5-gallon big bottles.

Bottles made from WK-901 resin can meet the requirement of high optical clarity and glossing, good barrier properties to oxygen, carbon dioxide and moisture. And enlong the shelf life and prevent the possible bottle cracking during transportation.

| Parameter                                 | Unit | Value | Limits |
|---|------|-------|--------|
| Intrinsic Viscosity (Foreign Trade)(I.V.) | dl/g | 0.87  | ±0.02  |
| Acetaldehyde Content                      | ppm  | 1     | Max    |
| DEG                                       | %    | 1.4   | ±0.2   |
| Color (L-value)                           | --   | 83    | Min    |
| Color (B-value)                           | --   | -0.5  | Max    |
| Melting point                             | °C   | 238   | ±2     |
| Moisture Content                          | wt%  | 0.2   | Max    |
| IPA content                               | %    | 4.0   | ±0.1   |

#### ◆ IMPORTANT NOTICE FOR USE IN PROCESSING

##### Drying

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.