



## Wankai PET bottle grade

### WK-821

© Polyethylene Terephthalate (PET) WK-821 for oil bottle grade

"WANKAI" Brand "WK-821" PET resin bottle grade is TPA-based polyethylene terephthalic copolymer. Its high clarity and sparkle make it well suited for the production of bottles and other containers. It is a high molecular weight polymer for general use in manufacturing containers. It can be used in the production of sheet, edible oil bottle, white wine bottle and some containers for medical & agrochemical purpose.

Bottles made from WK-821 resin can meet the requirements of high barrier properties, high chemical resistance and high crystallinity.

| Parameter                                 | Unit | Value | Limits |
|---|------|-------|--------|
| Intrinsic Viscosity (Foreign Trade)(I.V.) | dl/g | 0.83  | ±0.02  |
| Acetaldehyde Content                      | ppm  | 1     | Max    |
| Color (L-value)                           | --   | 83    | Min    |
| Color (B-value)                           | --   | -0.5  | Max    |
| Melting point                             | °C   | 243   | ±2     |
| Moisture Content                          | wt%  | 0.2   | Max    |

#### ◆ 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.