

Polyethylene Terephthalate (PET) WK881

DESCRIPTION

"WK881" 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 WK881 resin can meet the requirement of high optical clarity and glossing, good barrier properties to oxygen, carbon dioxide and moisture. And along the shelf life and prevent the possible bottle cracking during transportation.

The following table provides the parameters that characterize the grade.

Typical Data: (Table)

| Parameter | Unit | Value | Limits | Test method |
|--------------------------|------|-------|--------|--------------|
| Intrinsic Viscosity (IV) | dL/g | 0.85 | ±0.02 | Q/WK007-2012 |
| Acetaldehyde Content | ppm | 1 | max | Q/WK007-2012 |
| Color (L-value) | -- | 82 | min | Q/WK007-2012 |
| Color (b-value) | -- | 1.5 | max | Q/WK007-2012 |
| Melting point | °C | 243 | ±2 | Q/WK007-2012 |
| Moisture Content | %wt | 0.4 | max | Q/WK007-2012 |
| Weight of 100 chips | g | 1.55 | ±0.1 | Q/WK007-2012 |

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 160-175°C, 4-6 hours residence time.