

## Polyethylene Terephthalate (PET) WK801

### DESCRIPTION

WK801 PET chip is TPA-based polyethylene terephthalic copolymer designed for various applications, especially for the bottle like drinking water & food container. It is a high molecular weight polymer with an 0.80 intrinsic viscosity.

WK801 is characterized by low acetaldehyde content, good color value and superior I.V. stability. WK801 has excellent further processing features like low processing temperature, high clarity and little degradation.

The following table provides the Parameters that characterize the grade.

Parameter	Unit	Value	Limits	Test method
Intrinsic Viosicity (IV)	dL/g	0.80	±0.02	
Acetaldehyde Content	ppm	1	max	
Color (L-value)	--	83	min	
Color (b-value)	--	1	max	
Melting point	°C	243	±2	
Moisture Content	%wt	0.4	max	
Weight of 100 chips	g	1.55	±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 160-175°C, 4-6 hours residence time.

## Polyethylene Terephthalate (PET) WK811

### DESCRIPTION

"WANKAI" Brand "WK811" PET resin bottle grade is TPA-based polyethylene terephthalic homopolymer. It is characterized by its property of thermal resistance, and is designed specially for hot-filling bottles like tea, fruit-juice and other drinks required to be hot filled for sterilization.

The following table provides the Parameters that characterize the grade.

Parameter	Unit	Value	Limits	Test method
Intrinsic Viscosity (IV)	dL/g	0.78	±0.02	
Acetaldehyde Content	ppm	1	max	
Color (L-value)	--	83	min	
Color (b-value)	--	1	max	
Melting point	°C	250	±2	
Moisture Content	%wt	0.4	max	
Weight of 100 chips	g	1.55	±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 160-175°C, 4-6 hours residence time.

## Polyethylene Terephthalate (PET) WK821

### DESCRIPTION

"WANKAI" Brand "WK821" 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 CSD, sheet, edible oil bottle,

white wine bottle and some containers for medical & agrochemical purpose.

Bottles made from WK821 resin can meet the requirements of high barrier properties, high chemical resistance and high crystallinity.

The following table provides the parameters that characterize the grade.

Parameter	Unit	Value	Limits	Test method
Intrinsic Viscosity (IV)	dL/g	0.83	±0.02	
Acetaldehyde Content	ppm	1	max	
Color (L-value)	--	83	min	
Color (b-value)	--	1	max	
Melting point	°C	243	±2	
Moisture Content	%wt	0.4	max	
Weight of 100 chips	g	1.55	±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 160-175°C, 4-6 hours residence time.

## Polyethylene Terephthalate (PET) WK881

### DESCRIPTION

"WANKAI" Brand "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 enlong the shelf life and prevent the possible bottle cracking during transportation.

The following table provides the parameters that characterize the grade.

Parameter	Unit	Value	Limits	Test method
Intrinsic Viscosity (IV)	dL/g	0.85	±0.02	
Acetaldehyde Content	ppm	1	max	
Color (L-value)	--	82	min	
Color (b-value)	--	1.5	max	
Melting point	°C	243	±2	
Moisture Content	%wt	0.4	max	
Weight of 100 chips	g	1.55	±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 160-175°C, 4-6 hours residence time.

## Polyethylene Terephthalate (PET) WK851

### DESCRIPTION

“WANKAI” Brand "WK851" PET resin bottle grade is TPA-based polyethylene terephthalic copolymer. It is a high molecular weight polymer giving enhanced properties for reheat blow stage of bottle production. Keeping the similar properties of WK881, it is characterized by lower energy consumption but higher production rate during bottle production. Because of the additive, it looks darker, but the final bottle keeps the clarity as WK881's.

The following table provides the parameters that characterize the grade.

Parameter	Unit	Value	Limits	Test method
Intrinsic Viscosity (IV)	dL/g	0.85	±0.02	
Acetaldehyde Content	ppm	1	max	
Color (L-value)	--	70	min	
Color (b-value)	--	1	max	
Melting point	°C	243	±2	
Moisture Content	%wt	0.4	max	
Weight of 100 chips	g	1.55	±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 160-175°C, 4-6 hours residence time.