



## Polyethylene Terephthalate (PET) CSD Grade.

### DESCRIPTION

WK881 PET resin bottle grade is TPA-based polyethylene terephthalate 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 long 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.