

## Polyethylene Terephthalate (PET) WK821

### DESCRIPTION

"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.

### Typical Data: (Table)

Parameter	Unit	Value	Limits	Test method
Intrinsic Viscosity (IV)	dL/g	0.83	±0.02	Q/WK007-2012
Acetaldehyde Content	ppm	1	max	Q/WK007-2012
Color (L-value)	--	83	min	Q/WK007-2012
Color (b-value)	--	1	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.