



# Wankai PET bottle grade WK-801

## ◎ Polyethylene Terephthalate (PET) WK801 for water bottle grade

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	0.8	± 0.02	
Acetaldehyde Content	ppm	1	max	
Color (L-value)	--	84	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.