

Polyethylene Terephthalate (PET) WK811

DESCRIPTION

"WK811" PET resin bottle grade is TPA-based polyethylene terephthalic homopolymer. It is characterized by its property of thermal resistance, and is designed especially 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.

Typical Data: (Table)

Parameter	Unit	Value	Limits	Test method
Intrinsic Viscosity (IV)	dL/g	0.78	±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	250	±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.