



**Thai PET Resin Co., Ltd.**

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**SPECIFICATIONS OF SA145T**  
Polyethylene Terephthalate Polymer (PET)

Items	Units	Standard	Methods
Intrinsic Viscosity	dl/g	0.86 ± 0.02	MCI Method
Acetaldehyde	ppm	1 max.	MCI Method
Color-L	-	75 min.	MCI Method
Color-b	-	1.0 max.	MCI Method
Diethylene Glycol	%wt	1.10-1.60	MCI Method
Powder	ppm	100 max	MCI Method
Appearance	-	Conformity	MCI Method
Foreign Matters in chip <0.2 mm	pc/100g	5 max	MCI Method
Foreign Matters in chip ≥0.2 mm	pc/100g	0 max	MCI Method
Metallic Foreign Matters	pc/100g	0 max	MCI Method
Moisture	ppm	2000 max	ZIMMER Method
Melting Point	°C	245-249	ASTM D3418

**Description**

**SA145T** is a high intrinsic viscosity copolymer resin which is suitably designed for CSD, Drinking water, Tea, Liquor, Edible oil, Cosmetics bottle applications as well as thermoformed sheet. For food applications, the resin is considered safe based upon compliance with the United States Food and Drug Administration. The specialty resin offers good gas-barrier properties, and is tasteless and odorless, with high flavor retention and minimal flavor adsorption.

**Warranty**

Thai PET Resin warrants that its products will comply with the specifications and related regulatory compliance detailed in its publications. No other warranty, either expressed or implied regarding the suitability of the product for any particular purpose is made. The buyers are expected to make their own determination about the safety, health, environmental protection and suitability of use for their intended purposes. No warranty is made of the merchantability or fitness of any product and nothing herein waives any of the seller's conditions of sale.