

# SA145T

Polyethylene Terephthalate Polymer

**Special Characteristics:** 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.

## Typical Properties:

Properties	SA145T	Unit	Test Method
<b>Physical Properties</b>			
Intrinsic Viscosity	0.86 ± 0.02	dl/g	MCI Method
Acetaldehyde	1 max.	ppm	MCI Method
Color-L	75 min.	-	MCI Method
Color-b	1.0 max.	-	MCI Method
Diethylene Glycol	1.10-1.60	%wt	MCI Method
Powder	100 max	ppm	MCI Method
Appearance	Conformity	-	MCI Method
Foreign Matters in chip <0.2 mm	5 max	pc/100g	MCI Method
Foreign Matters in chip ≥0.2 mm	0 max	pc/100g	MCI Method
Metallic Foreign Matters	0 max	pc/100g	MCI Method
Moisture	2000 max	ppm	ZIMMER Method
Melting temperature	245-249	°C	ASTM D3418

## Recommendation:

The recommended temperature setting is in the range of 265-300 °C depend on application, detailed in Recommended parameters sheet.

## FDA Statement:

Food and Drug Administration US FDA 21 CFR 177.1630, Ministry of Public Health (No.435) B.E.2565 (2022) and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

## Warranty

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Note : Properties reported here are typical values of the product, not to be considered as specifications.

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