

SA125T

Polyethylene Terephthalate Polymer

Special Characteristics: SA125T is a high intrinsic viscosity copolymer resin which is suitably designed for 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	SA125T	Unit	Test Method
Physical Properties			
Intrinsic Viscosity	0.77 ± 0.02	dl/g	MCI Method
Acetaldehyde	2 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.295) B.E.2548 (2005), Commission Regulation (EU) 10/2011 and RoHS Directive 2011/65/EU (Annex II) [amended by Directive (EU) 2015/863]. 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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