

SA150T

Polyethylene Terephthalate Polymer

Special Characteristics: SA150T is a high intrinsic viscosity copolymer resin which is suitably designed for large (5 gallons, 20 Liters) returnable bottle applications and frozen tray applications. 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	SA150T	Unit	Test Method
Physical Properties			
Intrinsic Viscosity	0.90 ± 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

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.

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however, we do not assume any liability what so ever for the accuracy and completeness of such information. We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products. No liability can be accepted in respect of the use of our products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

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

TPRC makes no representations as to the accuracy or completeness of the information contained herein.

QC-D-4020 Rev.9