

Technical Data Sheet

Manufacturer:**Hainan Yisheng Petrochemical Co., Ltd.****Product:****Recycled Polyester Bottle Chips (RPET)****Grade:****YS-W100R****RPET Chip Inspection Report****Specifications:**

Item	Unit	Grade Indicator	Inspection Result	Remarks
		Premium Grade		
Intrinsic Viscosity	dl/g	0.800±0.03	0.810	
Melting Peak Temperature (DSC Method)	°C	249±2.0	248.8	
Terminal Carboxyl Content	mmol/kg	≤35	25	
Moisture	%(wt)	≤0.4	0.06	
Color (L-value)	—	>70	81	
Color (b-value)	—	<2	-1.0	
Diethylene Glycol (DEG) Content	%(wt)	1.3±0.2	1.24	
Weight of 100 Pellets	g	1.60±0.20	1.70	
Acetaldehyde Content	µg/g	<1.0	0.7	
Powder	mg/kg	≤100	7	
Bulk Density	kg/m3	900±40	886	
Crystallinity	%	>45	46	

Disclaimer: This document is for information purposes only. Customers are responsible for testing and confirming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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Report Details:

Sample Batch Number: R2-W100R-211224

Production Date: 2021-12-24

Report Date: 2021-12-25

Conclusion: Premium Grade

Approved by:

He Huanyu

Reviewed by:

Zhu Qifu

Reported by:

Li Shanghua

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