



RPET

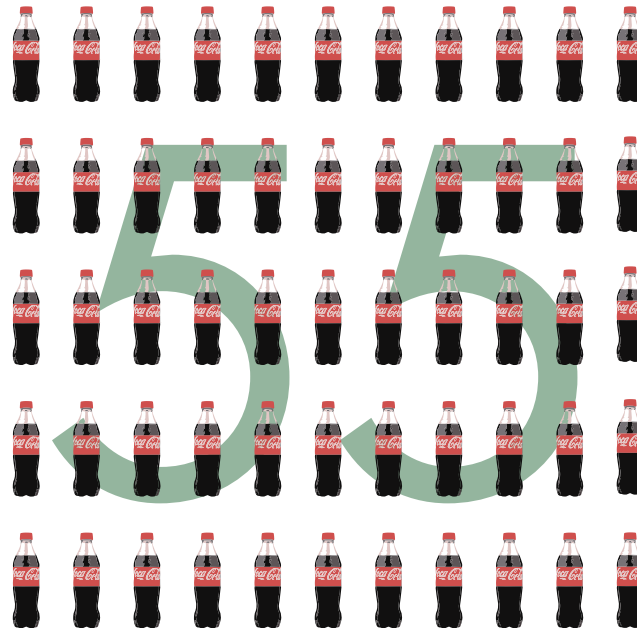
For
Bags

1.1 What is RPET?

- as known as “recycled polyethylene terephthalate”, or recycled PET
- strong, durable and recyclable material
- reuse plastic (or PET) products such as bottles

1 yard RPET

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55 bottles (500mL)

Life Cycle of RPET



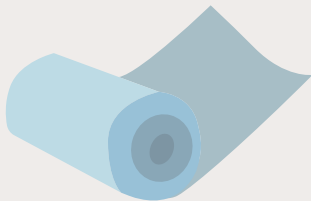
1 recycled/ discarded PET products by consumers



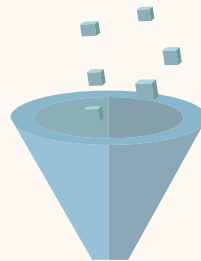
2 sort from other materials and bale in MRF (material recovery facility)



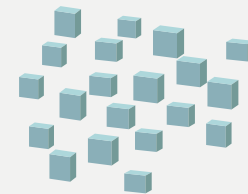
3 wash and remove contaminants* in PET recycling facilities



6 process the fibre to make fabric



5 melt the pellets and extrude to make fibre



4 sorted according to color and grind into flakes or made into pellets

* Contaminant: a substance that makes something less pure or makes it poisonous

1.2 Advantages

85% Less energy Consumed

The process of converting RPET to a virgin equivalent requires much less energy than glass, aluminum, or other materials; compared to Virgin Polyester, RPET requires 85% Less Energy

65% Fewer Emissions

50%- 65% less Carbon and Sulphur Dioxide released as compared to Virgin Polyester

Ease for transportation

RPET allows for more product to be delivered with less packaging, less weight and less fuel for transport, and with less trucks on the road

No Petroleum Required

Recycled PET doesn't require new petroleum to create, lowering the demand for new petroleum extraction and reducing our overall carbon footprint













80% Less Water Usage

RPET production uses 80% less water than virgin nylon and polyester

Reduce Plastic from landfill and ocean

According to NGO Ocean Conservancy, 8 million metric tons of plastics enter the ocean every year, on top of the estimated 150 million metric tons that currently circulate in marine environments

1.3 Comparison with traditional fibres

Fabric Features	PVC*	Polyester	RPET
Environment	 create dioxin* during production	 use many chemicals, dyes, finishers	 strong environmental achievement
Social Responsibility	 negative impact to human and environment	 non eco-friendly	 recyclability and sustainability
Sustainability	 hazardous to the environment	 not biodegradable; derived from petroleum and the oil	 reusing wastes
Durability	 lower melt temperature; may break down from exposure to UV rays	 High durability, water repellence and wrinkle resistance	 higher melt temperature; withstand UV rays



* PVC: a synthetic material commonly used for thousands of applications including toys, bottles and construction materials, but have negative impact to human and environment

*Dioxin (1,4-Dioxin): a dangerous substance that can lead to such health problems as cancer, densitometric and birth defects

1.4 Factory Certification

Certificate for textile processed according to the Global Recycle Standard

TRANSACTION CERTIFICATE (TC) FOR TEXTILES PROCESSED ACCORDING TO THE GLOBAL RECYCLE STANDARD

1. Body issuing the certificate (name and address) Control Union Certifications B.V. Meuwenaan 4-6 8011 BZ ZWOLLE NETHERLANDS		2a) Licensing code of the certification body GRS-CUC-01 2b) Reference number of the certificate: PRJ 849767909736	
3. Seller of the product (name and address) Suzhou Rusheng Chemical Fiber Co., Ltd. No.639 Yuanxin Road, Taoyuan Town, Wujiang DistSuzhou CHINA		4. Inspection body* (name and address) Control Union Certifications B.V. Meuwenaan 4-6 8011 BZ ZWOLLE NETHERLANDS	
5. Last processor of the product(s) (name and address) Suzhou Rusheng Chemical Fiber Co., Ltd. No.639 Yuanxin Road, Taoyuan Town, Wujiang DistSuzhou CHINA		6. Country of dispatch CHINA	
7. Buyer of the product(s) (name and address) Jinlun(Suzhou)Weaving Co., Ltd. Maota Village, Shengze Town, Wujiang District, 215228 Suzhou CHINA		8. Consignee of the product (Address of the place of destination) Jinlun(Suzhou)Weaving Co., Ltd. Maota Village, Shengze Town, Wujiang District, 215228 Suzhou CHINA	
		9. Country of destination CHINA	
10. Product and shipment information Global Recycled Standard (GRS) certified Products as specified in box 17 Invoice no.: 01476502, d.d. 02-02-18 Transport document no.: 1504233 Transport document d.d. 01-02-18 Container no.:		11. Gross weight(kg) 1054.40 kgs	12. Net weight(kg) 1000.00 kgs
		13. Commercial weight (kg) 0.00 kgs	
14. Declaration of the body issuing the certificate This is to certify that, based on the relevant documentation provided by the seller named in box 3, (i) the [recycled material name(s)] used for the products as further detailed / referred to in box 10 and quantified in box 11, 12 and 13 has been produced in accordance with the Global Recycled Standard (GRS). Compliance with the standard is audited and monitored systematically under responsibility of the certification body named in box 1.			
15. Additional declarations:			
16. Place and date of issue: Shanghai, 09 February 2018 Signature of the authorized person of the body detailed in box 1 Name: Lifu, Mr. W. Wang		Stamp of the issuing body  	

1 of 2

Hangtag for recycled fabric

