CATALOGUE

DUYTAN RECYCLING











TABLE OF CONTENTS

INTRODUCTION

About us	04
Our collection activities	06

rPET

Recycling process	80
Products	09

rHDPE

Recycling process	10
Products	11

PACKAGING	12

QUALITY CONTROL	14
CERTIFICATIONS	1.



The recycling factory

To minimize the impact of plastic waste to the environment in Vietnam, we build up recycling factory in the late 2019 - 2020 with total invesment cost is 60 million USD. The factory has an area of 65,000m2, located in Lot D2-Duc Hoa Ha Plastic Industrial Complex, Duc Hoa Ha Commune, Duc Hoa District, Long An Province, Vietnam

DuyTan Plastic Recycling Factory

Creates jobs for more than 300 people in the locality and neighbouring provinces. Recycling capacity is more than 100,000 tons/ year when completed. Persuing to goals and vision to become the leading plastic recycling company in Southeast Asia and world-class in terms of quality and capacity, Duy Tan Plastic Recycling Project has approached the State-of-Art recycling technology in the world

To bring the recycle plastic solution to packaging customers

Post consumed plastic bottles become a threat to our environment nowadays. With our European technology, PCR bottles are treated & recycled to become clean, food-safe and hygienic plastic materials that comply with current standards. of the world and applied to food packaging production.







ZERO WASTE **FACTORY**

No Water Waste No Air Waste No Industrial Waste *Realizing the ambitious vision of sustainable* economy for plastics. DuyTan Plastic Recycling has became the first factory invested globally green finance by HSBC Bank, Standard Chartered Bank, Vietcombank. Ability to meet international fund requirements in the future.



2020

Output: 20,000 ton/year











Output: 60,000 ton/year



Output: 100,000 ton/year









We set up collection centers connecting with more than 100 satellite collection stations throughout VietNam.



Post-Consumed bottles

02 collected bottles

03 Collected bottles are

04 seperate color &

05 Post consumed bottles conveyed through washing



















rPET

To bring recycled plastic solutions to complete circular economy, Duy Tan Plastic Recycling is fully equipped with European technology to inspire and deliver outstanding rPET quality.

Recycled Polyethylene Terephthalate (rPET) is produced through strictly quality control process. DuyTan Recycling Plastic Company is confident to bring rPET resin for food contact packaging to build a more regenerative economy.









rPET WSS01G/iSS01G Recycled Polyethylene Terephthalate

Good Processability Low acetaldehyde content Uses: Bottles/Jars

Application: Injection and injection stretch blow molding.

Property	Test method	Value	Unit
Physical			
Intrinsic Viscosity (IV)	ASTM D1238	WSS01G 0.78 ± 0.02 iSS01G 0.8 ± 0.02	2 dl/g dl/g
Bulk density	Internal method	≥ 800	kg/m3
Moisture content	Moisture analyzer	≤ 0.2%	%
Pellet shape	Internal method	oval	
Pellet weight	Internal method	1.5 ± 0.5	g/100pellets
L value		71 ± 3	
b value		-4 ± 2	

Food contact approval

US FDA 21 CFR Part 177.1630, EN 10/2011, QCVN 12-1:2011 BYT Contains no substance on the REACH 211 SVHC list

rPET WSS03G

Recycled Polyethylene Terephthalate

Filament Injection Sheet/Film

Good Processability Low acetaldehyde content Uses: Fiber, Thermoforming

Application: Injection, injection stretch blow molding, filament

Property	Test method	Value	Unit
Physical			
Intrinsic Viscosity (IV)	ASTM D1238	0.7 ± 0.02	dl/g
Bulk density	Internal method	≥ 800	kg/m3
Moisture content	Moisture analyzer	≤ 0.2%	%
Pellet shape	Internal method	oval	
Pellet weight	Internal method	1.5 ± 0.5	g/100pellets
L value		69 ± 3	
b value		-6 ± 4	

Contains no substance on the REACH 211 SVHC list

rPET iSS01084G

CSD Bottles

Recycled Polyethylene Terephthalate **Good Processability**

Low acetaldehyde content **Uses: CSD Bottles**

Application: Injection and injection stretch blow moulding.

Property	Test method	Value	Unit
Physical			
Intrinsic Viscosity (IV)	ASTM D1238	0.84 ± 0.03	dl/g
Bulk density	Internal method	≥ 800	kg/m3
Moisture content	Moisture analyzer	≤ 0.2%	%
Pellet shape	Internal method	oval	
Pellet weight	Internal method	1.5 ± 0.5	g/100pellets
L value		71 ± 3	
b value		-4 ± 2	

Food contact approval

FDA, EN 10/2011, OCVN 12-1:2001/BYT Contains no substance on the REACH 211 SVHC list











rHDPE

Recycled High Density Polyethyelene (rHDPE) is produced through strictly quality control process. Post consumed bottles are sorted by color, flaked, washed, pelletized to produce high quality recycled plastic resin.







MBF01 grade has excellent stiffness, heat distortion resistance and good environmental stress crack resistance.

Application: Extrusion & Extrusion blow molding.

Property	Test method	Value	Unit
Physical			
Melt Index	ASTM D1238 (190 0C, 2.16kg)	0.3 ± 0.05	g/10min
Density	ASTM D792	0.94 ± 0.01	g/cm3
Tensile Strength (at yield)	ASTM D638	23 ± 2	MPa
Flexural Strength	ASTM D790	270 ± 50	Kg/cm2
Flexural Modulus	ASTM D790	800 ± 100	MPa
Izod Impact	ASTM D256	>490 nonbreak	J/m
%PP	ASTM D5576	Max 5%	%
Filtration		120 x 3	Mesh
(Screen pack)			
Pellet size		38 ± 5	Pellets/g
Other (visual, od	or)		
Color	X-Rite Ci60	Natural	
		$L = 64 \pm 3$	
		$a = 0 \pm 2$	
		$b = 5.5 \pm 2$	
Durometer Hardness /Type D (Shore D)	ASTM D2240	55 ± 1	

















Packaging

Our recycled resins are packed with international export packaging standards & palletized.

Fast delivery to local & export customers.



rPET packaging

1100kgs/ jumbo bags 22 Tons/ 20'fcl cont



rHDPE packaging

25kgs/ bag 12 Tons/ 20'fcl cont 24 tons/ 40'fcl cont



Quality management

Quality is one of the most concerns in our operations. Duy Tan Plastic Recycling Company is run by experienced team with good knowledge about recycling. We are confident to bring the best recycled pellets to customers with modern quality control equipments in our lab.

The most modern
European recycling
technology in the world

Certifications issued by prestigious global units

O3 Strict quality control process with modern testing machines

O4 Top quality products in Asia and the World









EFSAEuropean Food Safety Authority



FDAFood and Drug Administration



GMPGood manufacturing practice



FSSC 22000 Food Safety System Certification 22000



Certified Recycled Content



System certification SA 8000

CATALOGUE



Lot D2., Duc Hoa Ha Plastics Industrial Clusters, Duc Hoa Ha Commune, Duc Hoa District, Long An Province, Vietnam.

Tel: +84 272 3779 920

Email: info@duytanrecycling.com

Fax: +84 272 3779 914

Website: www.duytanrecycling.com

