

ECONNECT

Recycled Plastic Materials



ECONNECT

ABOUT US

ECCONNECT is committed to reducing plastic waste and promoting a circular economy by providing sustainable plastic solutions that don't compromise on quality or functionality. We're on a mission to transform the plastic industry through sustainable innovation and circular economy principles.

#1 Business REGENPORT

AI Property Prediction & Marketplace

AI Property Prediction: Our proprietary algorithms analyze and predict the physical properties (MI, Density, Tensile Strength) of recycled resins, ensuring consistent quality before the purchase.

Global Material Marketplace: Leveraging a vast global network, we offer a curated selection of verified PCR & PIR resins with transparent pricing and real-time inventory management.

#2 Business REGENPLAST

Recycled End Product Development

Waste Data Application: By analyzing the source and composition of waste streams, we develop optimal formulations and manufacturing processes tailored to specific brand requirements.

Closed & Open Loop Development: We provide comprehensive "Turn-key" solutions—from establishing a Closed-loop system for a brand's own waste to developing Open-loop products for various industrial applications.

ECCONNECT continues to support brands and manufacturers in building more sustainable, responsible product lines.

REDEFINING

WASTE

INTO WORTH

Verified Recycled Materials

500 +

End Product Developed (SKU)

100 +

Property Prediction Accuracy

92% +

Waste Sourcing Sites

200 +

ECONNECT
Table of Contents

Code	Material Name	Page
PE (HDPE, LDPE, LLDPE)	Polyethylene	5p ~ 13p
PP (PP, COPP)	Polypropylene	14p ~ 19p
ABS	Acrylonitrile Butadiene Styrene	20p ~ 21p
EPS	Expandable Polystyrene	21p
PC	Polycarbonate	22p
SAN	Styrene Acrylonitrile	22p
TPU	Thermoplastic Polyurethane	23p
PO	Polyolefin	23p
PVC	Polyvinyl Chloride	23p
EPDM	Ethylene Propylene Diene Monomer	24p
New Listings	PP, PE, PC, PVC, PA6	25p

PE 1

#1



Material Specification

Material Type	HDPE	Color	White
MI / Density	0.16 / 0.95 g/cm³	Feedstock	Food Tray
Application	Flim / Injection / Blow	Quantity	40 MT

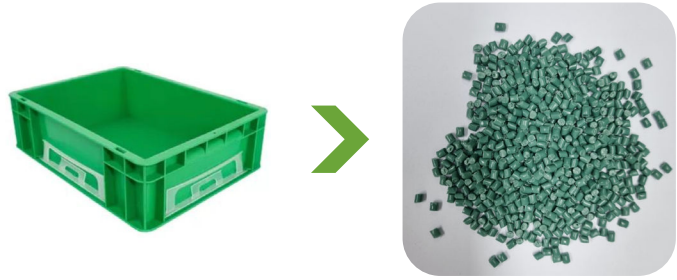
#2



Material Specification

Material Type	HDPE	Color	Natural
MI / Density	2.17 / 0.95 g/cm³	Feedstock	Plastic Bag
Application	Flim / Pipe / Containers	Quantity	30 MT

#3



Material Specification

Material Type	HDPE	Color	Green
MI / Density	4.01 / 0.95 g/cm³	Feedstock	Furniture / Fruit Box
Application	Household Containers / Building Materials	Quantity	20 MT

#4



Material Specification

Material Type	HDPE	Color	Black
MI / Density	6.18 / 0.95 g/cm³	Feedstock	Junkyard
Application	Household Containers / Building Materials	Quantity	5 MT

1 PE

PE 1



Material Specification

Material Type	HDPE	Color	White
MI / Density	0.19 / 0.95 g/cm³	Feedstock	Jerrycan
Application	Household Containers / Building Materials	Quantity	30 MT

Material Specification

Material Type	HDPE	Color	Black
MI / Density	0.29 / 0.95 g/cm³	Feedstock	Engine Oil Lubricant Case
Application	Containers / Exterior Materials / Pipe	Quantity	30 MT



Material Specification

Material Type	HDPE	Color	Blue
MI / Density	0.06 / 0.95 g/cm³	Feedstock	Jerrycan / Drum / Pipe
Application	Pipe	Quantity	30 MT

Material Specification

Material Type	HDPE	Color	Black
MI / Density	0.46 / 0.95 g/cm³	Feedstock	Jerrycan / Drum / Pipe
Application	Pipe	Quantity	30 MT

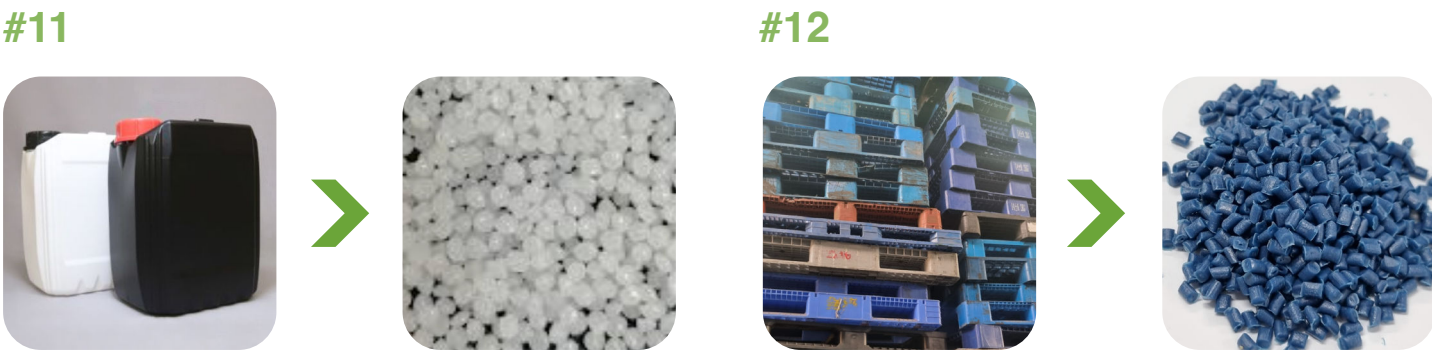


Material Specification

Material Type	HDPE	Color	Black
MI / Density	0.8 / 0.95 g/cm³	Feedstock	Jerrycan / Shampoo Bottle
Application	Pipe	Quantity	10 MT

Material Specification

Material Type	HDPE	Color	Grey
MI / Density	0.3 / 0.95 g/cm³	Feedstock	Jerrycan
Application	Building Materials	Quantity	30 MT



Material Specification

Material Type	HDPE	Color	White
MI / Density	0.2 / 0.95 g/cm³	Feedstock	Jerrycan / Drum / Pipe
Application	Pipe	Quantity	30 MT

Material Specification

Material Type	HDPE	Color	Blue
MI / Density	0.15 / 0.95 g/cm³	Feedstock	Pallet / Fruit Box / Jerry-can
Application	Jerrycan / Pipe	Quantity	30 MT

1 PE

PE 1



Material Specification

Material Type	HDPE	Color	Black
MI / Density	0.4 / 0.95 g/cm³	Feedstock	Pallet / Fruit Box / Jerry-can
Application	Jerrycan / Pipe	Quantity	30 MT

Material Specification

Material Type	HDPE	Color	Black
MI / Density	0.7 / 0.95 g/cm³	Feedstock	Household HDPE / Jerry-can / Sham-poo Bottle
Application	Conduit	Quantity	45 MT



Material Specification

Material Type	HDPE	Color	Black
MI / Density	0.69 / 0.95 g/cm³	Feedstock	Jerrycan / Detergent Container
Application	Household HDPE	Quantity	30 MT

Material Specification

Material Type	HDPE	Color	White
MI / Density	0.12 / 0.95 g/cm³	Feedstock	Jerrycan / Detergent Container
Application	Household HDPE	Quantity	30 MT



Material Specification

Material Type	HDPE	Color	Natural
MI / Density	0.5 / 0.95 g/cm³	Feedstock	Household HDPE / Jerry-can / Sham-poo Bottle
Application	Conduit	Quantity	45 MT

Material Specification

Material Type	HDPE	Color	White
MI / Density	0.21 / 0.95 g/cm³	Feedstock	Household HDPE / Jerry-can / Sham-poo Bottle
Application	Conduit	Quantity	45 MT



Material Specification

Material Type	HDPE	Color	Natural
MI / Density	0.14 / 0.95 g/cm³	Feedstock	Motor Oil Container
Application	Bottles / Jerrycan / boards / Liners	Quantity	40 MT

Material Specification

Material Type	HDPE	Color	Black
MI / Density	2.5 / 0.95 g/cm³	Feedstock	Wire Sheath
Application	Conduit	Quantity	50 MT

1 PE

PE 1



Material Specification

Material Type	HDPE	Color	White
MI / Density	2.4 / 0.95 g/cm³	Feedstock	Jerrycan
Application	Jerrycan	Quantity	25 MT

Material Specification

Material Type	HDPE	Color	Black
MI / Density	1.4 / 0.95 g/cm³	Feedstock	Detergent Container / Cosmetic Tin
Application	Drain Pipe	Quantity	30 MT



Material Specification

Material Type	HDPE	Color	Green
MI / Density	12 / 0.95 g/cm³	Feedstock	Pallet / Apple Container / Beer Container
Application	Pallet / Apple Container / Beer Container	Quantity	50 MT



Material Specification

Material Type	LDPE	Color	Black
MI / Density	0.9 / 0.92 g/cm³	Feedstock	Industrial Film / Car Film
Application	Pipe / Building Materials	Quantity	30 MT



Material Specification

Material Type	HDPE	Color	Natural
MI / Density	0.7 / 0.95 g/cm³	Feedstock	Jerrycan
Application	CD Pipe	Quantity	15 MT

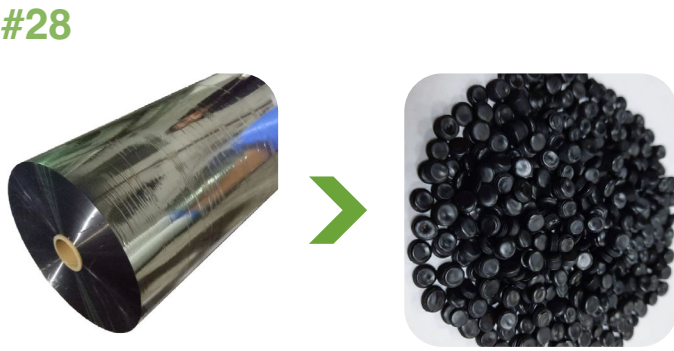
Material Specification

Material Type	HDPE	Color	White
MI / Density	0.7 / 0.95 g/cm³	Feedstock	Jerrycan
Application	CD Pipe	Quantity	15 MT



Material Specification

Material Type	LDPE	Color	White
MI / Density	0.6 / 0.92 g/cm³	Feedstock	Eyedrop Bottle
Application	Mulching Film / Stretch Film	Quantity	30 MT



Material Specification

Material Type	LDPE	Color	Black
MI / Density	28.1 / 0.92 g/cm³	Feedstock	Film Ingot
Application	Coating Agent	Quantity	30 MT

1

PE

PE

1



Material Specification

Material Type	LDPE	Color	Reddish Natural
MI / Density	3.9 / 0.92 g/cm³	Feedstock	Vinyl
Application	IV Bag	Quantity	30 MT

Material Specification

Material Type	LDPE	Color	Black
MI / Density	3.6 / 0.92 g/cm³	Feedstock	Vinyl
Application	Pipe Sheet	Quantity	40 MT



Material Specification

Material Type	LLDPE	Color	Grey
MI / Density	2.6 / 0.92 g/cm³	Feedstock	Film
Application	Film	Quantity	30 MT

Material Specification

Material Type	LLDPE	Color	Grey+Black
MI / Density	3.1 / 0.92 g/cm³	Feedstock	Film
Application	Film	Quantity	30 MT



Material Specification

Material Type	LDPE	Color	Grey
MI / Density	4.5 / 0.92 g/cm³	Feedstock	Sugar Bag / Diaper
Application	Waterproof Sheet	Quantity	30 MT

Material Specification

Material Type	LDPE	Color	Transparent
MI / Density	5.5 / 0.92 g/cm³	Feedstock	Industrial Film
Application	Film	Quantity	10 MT

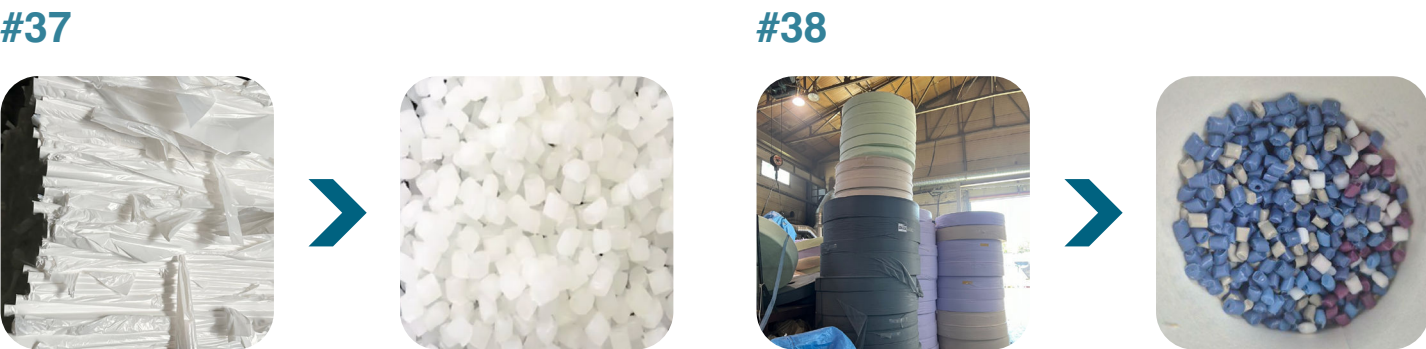


Material Specification

Material Type	HDPE	Color	White
MI / Density		Feedstock	Wire Sheath
Application	Masterbatch	Quantity	15 MT

Material Specification

Material Type	EVA+HDPE +LDPE	Color	Sky Blue
MI / Density	0.9 / 0.95 g/cm³	Feedstock	IV Bag
Application	Com-pounding	Quantity	10 MT



Material Specification

Material Type	HMWPE	Color	Natural
MI / Density	0.1 / 0.95 g/cm³	Feedstock	Film
Application	Libs	Quantity	50 MT

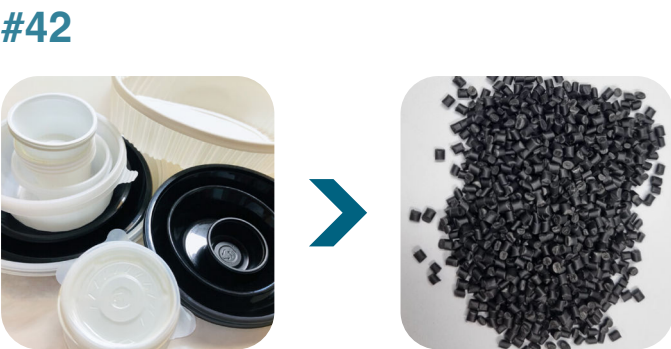
Material Specification

Material Type	PP	Color	Mixed
MI / Density	48.6 / 0.9 g/cm³	Feedstock	Textile
Application	Com-pounding	Quantity	40 MT



Material Specification

Material Type	PP	Color	Black
MI / Density	2.6 / 0.9 g/cm³	Feedstock	Post-Consumer PP
Application	Pallet	Quantity	40 MT



Material Specification

Material Type	PP	Color	Black
MI / Density	6.4 / 0.9 g/cm³	Feedstock	Post-Consumer PP
Application	Car Interior Components / Building Materials	Quantity	40 MT



Material Specification

Material Type	PP	Color	White
MI / Density	44.6 / 0.9 g/cm³	Feedstock	Textile
Application	Com-pounding / Injection	Quantity	40 MT



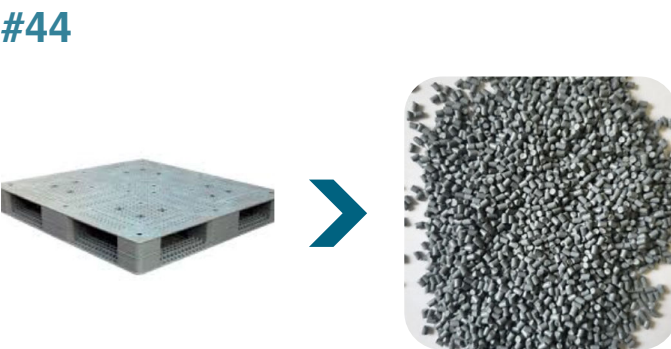
Material Specification

Material Type	PP	Color	White
MI / Density	40 / 0.9 g/cm³	Feedstock	Textile
Application	Injection / Com-pounding	Quantity	40 MT



Material Specification

Material Type	PP	Color	Black
MI / Density	8 / 0.9 g/cm³	Feedstock	Pallet / Post-Con-sumer Plastic
Application	Pallet	Quantity	10 MT



Material Specification

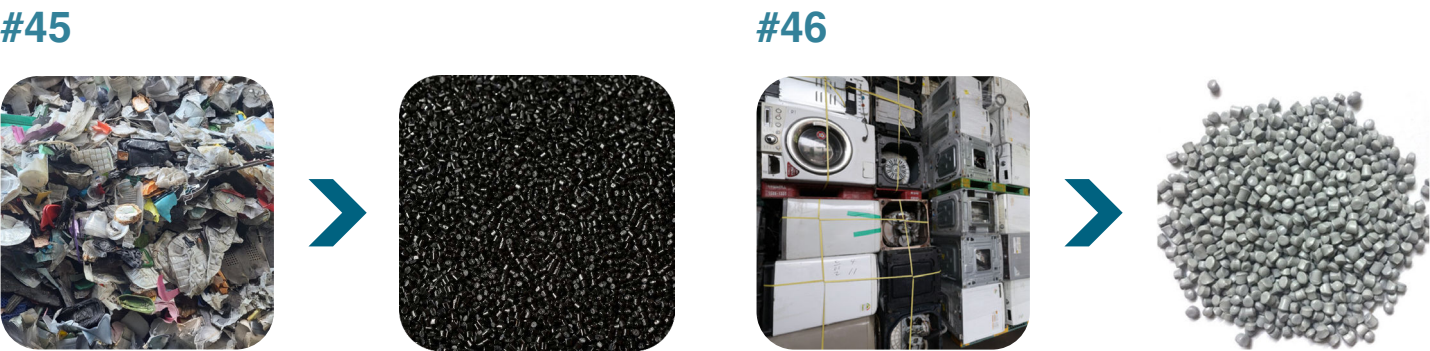
Material Type	PP	Color	Grey
MI / Density	7.5 / 0.9 g/cm³	Feedstock	Pallet
Application	Pallet	Quantity	30 MT

2

PP

PP

2



Material Specification

Material Type	PP	Color	Black
MI / Density	40.1 / 0.9 g/cm³	Feedstock	Post-Consumer PP
Application	Electronic Components / Toilet Flange	Quantity	20 MT

Material Specification

Material Type	PP	Color	Grey
MI / Density	5.8 / 0.9 g/cm³	Feedstock	Post-Consumer PP
Application	Electronic Components / Toilet Flange	Quantity	20 MT



Material Specification

Material Type	PP	Color	Transparent
MI / Density	5.9 / 0.9 g/cm³	Feedstock	Industrial Vinyl
Application	Building Pipe / Vinyl	Quantity	40 MT

Material Specification

Material Type	PP	Color	Transparent
MI / Density	16.8 / 0.9 g/cm³	Feedstock	Industrial Vinyl
Application	Building Pipe / Vinyl	Quantity	40 MT



Material Specification

Material Type	PP	Color	Black
MI / Density	6.4 / 0.9 g/cm³	Feedstock	Pallet / Household Appliances
Application	Building Materials	Quantity	10 MT

Material Specification

Material Type	PP	Color	Transparent
MI / Density	7.5 / 0.9 g/cm³	Feedstock	Industrial Film
Application	Film	Quantity	30 MT



Material Specification

Material Type	PP	Color	Black
MI / Density	20.5 / 0.9 g/cm³	Feedstock	Bag Tie / Safety Net
Application	Hanger / Electronic Materials	Quantity	50 MT

Material Specification

Material Type	PP	Color	Black
MI / Density	9.5 / 0.9 g/cm³	Feedstock	PP Sack
Application	Building Materials / Pallets	Quantity	50 MT

2

PP

PP, COPP

2

#53

➔

#54

➔

Material Specification

Material Type	PP	Color	White
MI / Density	6.9 / 0.9 g/cm³	Feedstock	CPP Waste
Application	Film	Quantity	30 MT

Material Specification

Material Type	PP	Color	Black
MI / Density	3 / 0.9 g/cm³	Feedstock	Household / Lunch Box
Application	Chair / Pallet / Reber Support	Quantity	10 MT

#57

➔

Material Specification

Material Type	PP(COPP)	Color	Black
MI / Density	14.7 / 0.9 g/cm³	Feedstock	Used Car Battery Case
Application	Car Battery Case	Quantity	20 MT

#58

➔

Material Specification

Material Type	PP (COPP Scrap)	Color	Mixed
MI / Density		Feedstock	Car Battery
Application	Car Battery	Quantity	15 MT

#55

➔

Material Specification

Material Type	PP	Color	Green+Navy
MI / Density	22.3 / 0.9 g/cm³	Feedstock	Safety Net
Application	Car / Hanger / Corn	Quantity	10 MT

#56

➔

Material Specification

Material Type	PP	Color	Natural
MI / Density	20.2 / 0.9 g/cm³	Feedstock	OPP Film
Application	Com-pounding Company	Quantity	50 MT

#59

➔

Material Specification

Material Type	PP(COPP)	Color	Transparent
MI / Density	9.3 / 0.9 g/cm³	Feedstock	Film
Application	Sanitary Lid / Table / Film	Quantity	10 MT

#60

➔

Material Specification

Material Type	PP	Color	Black
MI / Density	9.2 / 0.9 g/cm³	Feedstock	Household
Application	Pallet	Quantity	50 MT

3 ABS

EPS 4



Material Specification

Material Type	ABS	Color	Grey
MI / Density	46.8 / 1.05 g/cm³	Feedstock	Sheet
Application	Flim / Injection / Blow	Quantity	30 MT

Material Specification

Material Type	ABS	Color	Black
MI / Density	39.2 / 1.05 g/cm³	Feedstock	Household Appliances
Application	Building Materials / Electronic Components	Quantity	10 MT



Material Specification

Material Type	PCABS	Color	Black+Grey
MI / Density	72.9 / 1.10 g/cm³	Feedstock	Electronic Components
Application	Household Appliances / Car Parts	Quantity	20 MT



Material Specification

Material Type	EPS	Color	Light Brown
MI / Density	19 / 0.95 g/cm³	Feedstock	Styrofoam Waste
Application	XPS Board	Quantity	30 MT



Material Specification

Material Type	ABS	Color	Black
MI / Density	14.3 / 1.05 g/cm³	Feedstock	Household Appliances
Application	Car Parts / Blinker / Flim	Quantity	10 MT



Material Specification

Material Type	ABS	Color	Grey
MI / Density	3.2 / 1.05 g/cm³	Feedstock	ABS Film
Application	ABS Door	Quantity	30 MT



Material Specification

Material Type	EPS	Color	Natural
MI / Density	19 / 0.95 g/cm³	Feedstock	Styrofoam Waste
Application	XPS Board	Quantity	30 MT



Material Specification

Material Type	EPS	Color	Light Brown
MI / Density	19 / 0.95 g/cm³	Feedstock	Styrofoam Waste
Application	XPS Board	Quantity	30 MT

5

PC, SAN

TPU, PO, PVC

6



Material Specification

Material Type	PC	Color	Black
MI / Density	15.6 / 1.20 g/cm³	Feedstock	Optical Sheet
Application	Electronics Materials	Quantity	30 MT

Material Specification

Material Type	PC	Color	Blue
MI / Density	14.3 / 1.20 g/cm³	Feedstock	Optical Sheet
Application	Electronics Materials	Quantity	30 MT



Material Specification

Material Type	TPU	Color	Black
MI / Density		Feedstock	Molding PUR / Phone Case
Application	Molding PUR / Phone Case	Quantity	10 MT

Material Specification

Material Type	TPU	Color	Natural
MI / Density		Feedstock	Molding PUR / Phone Case
Application	Road Construction	Quantity	30 MT



Material Specification

Material Type	PC	Color	Blue
MI / Density	21.3 / 1.20 g/cm³	Feedstock	Water Bottle
Application	Water Bottle	Quantity	20 MT

Material Specification

Material Type	SAN Scrap	Color	White
MI / Density		Feedstock	Electronic Goods
Application	Transparent Packaging	Quantity	20 MT



Material Specification

Material Type	PO	Color	Light Sky Blue
MI / Density	3.5 / 0.93 g/cm³	Feedstock	Green House Vinyl
Application	Film	Quantity	10 MT

Material Specification

Material Type	PVC	Color	Grey
MI / Density	23.4 / 1.3 g/cm³	Feedstock	Deco Film
Application	Floring	Quantity	30 MT

7 EPDM

New Listings 8



Material Specification

Material Type	EPDM (2mm)	Color	Black
MI / Density		Feedstock	Car Window Seal
Application	Playground Track / Foot-path / Foam Rubber	Quantity	50 MT

Material Specification

Material Type	EPDM (2mm)	Color	Grey
MI / Density		Feedstock	Car Window Seal
Application	Playground Track / Foot-path / Foam Rubber	Quantity	50 MT



Material Specification

Material Type	PP	Color	White
MI / Density	40 / 0.92 g/cm³	Feedstock	Diaper
Application	Band Strap / Injection Factory	Quantity	30 MT

Material Specification

Material Type	PP	Color	White
MI / Density	40 / 0.92 g/cm³	Feedstock	Mask
Application	Compounding Company	Quantity	50 MT



Material Specification

Material Type	EPDM (5mm)	Color	Black
MI / Density		Feedstock	Car Window Seal
Application	Playground Track / Foot-path / Foam Rubber	Quantity	50 MT

Material Specification

Material Type	EPDM (5mm)	Color	Grey
MI / Density		Feedstock	Car Window Seal
Application	Playground Track / Foot-path / Foam Rubber	Quantity	50 MT



Material Specification

Material Type	LLDPE	Color	Natural
MI / Density	3 / 0.94 g/cm³	Feedstock	Stretch Film
Application	Fertilizer Cloth / Compounding Company	Quantity	10 MT

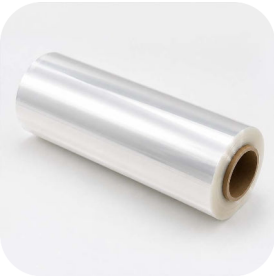
Material Specification

Material Type	PP	Color	Black
MI / Density	40+ / 0.94 g/cm³	Feedstock	Mask
Application	Injection Factory	Quantity	50 MT

9 New Listings

New Listings 10

#85



#86



Material Specification

Material Type	PP	Color	White
MI / Density	8 / 0.92 g/cm³	Feedstock	OPP Flim
Application	Injection Factory	Quantity	20 MT

Material Specification

Material Type	PE	Color	White
MI / Density	3 / 0.94 g/cm³	Feedstock	Diaper Raw Material
Application	Injection Factory / Diaper Raw Material	Quantity	20 MT

#89



#90



Material Specification

Material Type	PVC	Color	White
Filler	Less than 5%	Feedstock	Sound Proof Window Frames
Application	Profile extrusion / Baseboard / Pipes	Quantity	10 MT

Material Specification

Material Type	PVC	Color	Grey
Filler	Less than 5%	Feedstock	Door Frame
Application	Profile Extrusion / Base Board	Quantity	10 MT

#87



#88



Material Specification

Material Type	PC	Color	Black
MI / Density	8 ~ 10 / 1.18 g/cm³	Feedstock	Car Head Light
Application	Compounding Injection	Quantity	20 MT

Material Specification

Material Type	PP (Copol)	Color	Black
MI / Density	10 / 0.92 g/cm³	Feedstock	Automotive Parts / Household PP
Application	Battery Case / Cabinet	Quantity	50 MT

#91

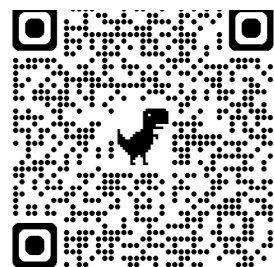


Material Specification

Material Type	PA6	Color	Brown
MI / Density	16 / 1.12~1.15 g/cm³	Feedstock	Large Ship Mooring Ropes
Application	Automotive Components / Electronic Devices	Quantity	50 MT

Ready to Close the Loop?

Become a partner with **ECONNECT**
in JUST 10 SECONDS.



ECONNECT

Join Our Ecosystem

SELL SMARTER WITH **REGENPORT™**

Expand your reach to global buyers. Register your flakes and resins to leverage our AI-driven marketplace.

CLOSED LOOP SOLUTION BY **REGENPLAST™**

Turn your plastic waste and dead stock into sustainable assets.
Let's build your brand's circular future together.

GETTING WASTES FROM THE RECYCLING LOOP

ECONNECT