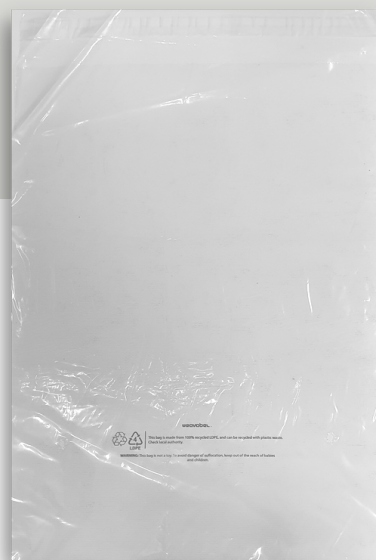


Product Data Sheet

POLY BAGS

Ensuring your product arrives in pristine condition from its manufacturing location to the distribution centre, or from the store to the consumer, is important to maximise your sales opportunity and to also limit the number of returns caused by soiled goods.

We have a wide range of single-use packaging options that are customisable to meet your branding needs. This includes eco plastic options like GRS Recycled LDPE, Green PE and biodegradable Cornstarch.



BIODEGRADABLE

Biodegradable plastics are plastics that can be decomposed by the action of living organisms, usually microbes, into water, carbon dioxide, and biomass. Biodegradable plastics are commonly produced with renewable raw materials, micro-organisms, petrochemicals, or combinations of all three.

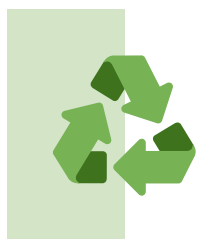
RECYCLED & RECYCLABLE

Mechanical recycling, where plastic is washed, ground and melted, or chemical recycling, whereby plastic is broken down into monomers to form new polymers to be reused.

COMPOSTABLE

Compostable plastics are derived from renewable materials like corn, potato, and tapioca starches, cellulose, soy protein, and lactic acid. Compostable plastics are non-toxic and decompose back into carbon dioxide, water, and biomass when composted.

SYMBOLS TO LOOK OUT FOR



MOBIUS LOOP

This indicates that an object is capable of being recycled, not that the object has been recycled or will be accepted in all recycling collection systems.



STANDARD EN 13432/14955

Products certified to be industrially compostable according to the European standard EN 13432/14955 may bear the 'seedling' logo.

Plastic resin codes identify the type of plastic resin used to make the product by providing a 'Resin Identification Code'. It is represented with a 'chasing arrows' symbol surrounding a number between 1 and 7 that defines the resin used.



PET

Polyethylene Terephthalate



PP

Polypropylene



HDPE

High-Density Polyethylene



PS

Polystyrene



PVC

Polyvinyl Chloride



MISCELLANEOUS

Polycarbonate, BPA and other plastics

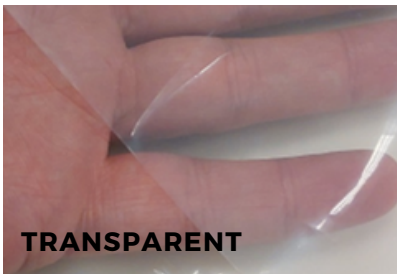


LDPE

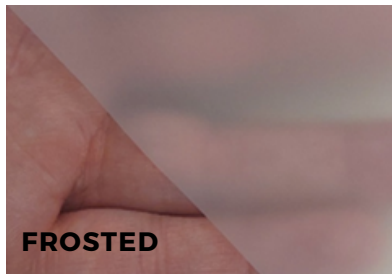
Low-Density Polyethylene

Never place compostable plastic into the recycling with other plastics; as it is designed to break down it cannot be recycled and contaminates recyclable plastics. Plastics that carry this symbol can be recycled with your garden waste through your local authority.

FINISH OPTIONS



Material options: LDPE

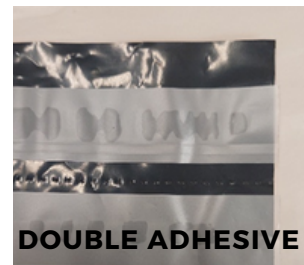


Material options: HDPE,
CPE, Cornstarch



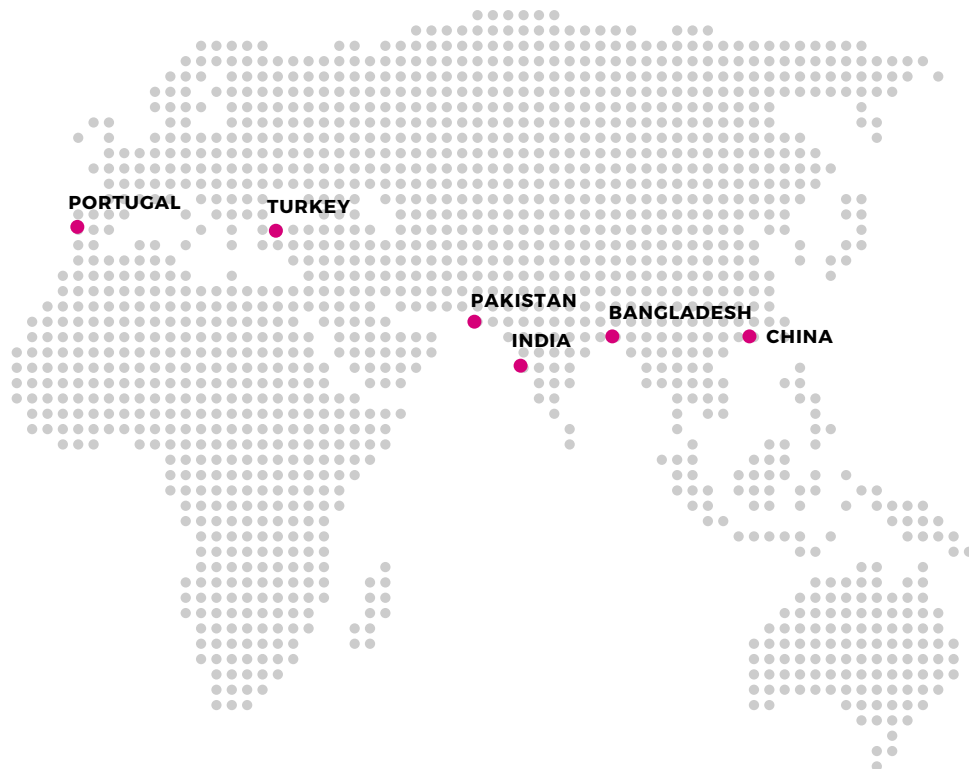
Material options: LDPE
*Generally for mailing bags

COMMON CLOSURE TYPES



*Generally for mailing bags

PRODUCTION LOCATIONS




THE OPTIONS THAT WE CAN OFFER

Material	LDPE (Recycled Low-Density Polyethylene)	LDPE + D2W (Recycled Low-Density Polyethylene with D2W additive)	Green PE	Corn-starch
What it is:	Recycled LDPE is material which is sourced from pre-consumer plastic waste	LDPE with D2W additive to enable the material to break down over time	Green PE is a plastic produced from sugarcane ethanol, a renewable raw material	Corn-starch is a biodegradable plastic which is made from natural plant materials
How it is made:	Waste LDPE offcuts from other products are repurposed into new items	The D2W additive is mixed with the LDPE pellets during production.	The material is bio-based – made from sugar cane waste	Corn-starch base and modified biopolymers are mixed
Why it is sustainable:	This waste would otherwise end up in landfill and therefore is a sustainable alternative to standard plastic	The bag can biodegrade, reducing the plastic waste in the environment or landfill	The bio-based source makes this product carbon neutral and the raw material remain 100% recyclable	The material can biodegrade in composting conditions
Biodegradable or Recyclable?	Recyclable	Biodegradable & recyclable	Recyclable	Biodegradable. Non-recyclable.
Time to biodegrade:	-	12-24 month	-	10-18 month
Print / Colour limitations:	Has to be clear, can't be full printed	Has to be clear, can't be full printed	None	Best to just have printed logo, we will advise during design
Composition:	100%LDPE	99%LDPE, 1%D2W additive	100%LDPE	PBAT, PLA, corn-starch
Thickness options:	0.03mm – 0.15mm	0.03mm – 0.15mm	0.05mm – 0.11mm	0.05mm – 0.11mm
MOQs:	10,000 pieces	20,000 pieces	50,000 pieces	50,000 pieces
Lead Time:	3 - 4 weeks sampling, 5-6 weeks bulk production	3 - 4 weeks sampling, 5-6 weeks bulk production	3 - 4 weeks sampling, 5-6 weeks bulk production	3 - 4 weeks sampling, 5-6 weeks bulk production
Certification:	Global Recycled Standard (GRS)	EN 13432 Compliant OK Compost Certified	CO ² Neutral by the Carbon Trust	EN 13432 Compliant OK Compost Certified

TAKE THE FIRST STEP, ENQUIRE ABOUT POLY BAGS

Get in touch and be sure to let us know what you need from your custom sustainable poly bags. You can speak to our sales team using the contact options below.

 sales@weavabel.com

 +44 (0)113 239 1122

 www.weavabel.com