



Rethinking Polythene

With exclusive and modern PSL polythene materials
Think Environment. Think Cost Cutting.

Meet the Eco Polythene Range

ARMOURTHENE[®]

ARMOURTHENE[®] ULTRA
Stronger. Lighter.

ARMOURTHENE[®]
REGENERATE 
RECYCLE

ARMOURTHENE[®] Plant


ARMOURTHENE[®]
DEGRADABLE

ARMOURTHENE[®]

Our Armourthene[®] material is the registered trademark and standard quality for the range.

- ▶ 100 % Recyclable
- ▶ Low minimum order quantity (MOQ)
- ▶ Manufactured from Prime Virgin LDPE
- ▶ Available in food grade, anti-static and any colour.

ARMOURTHENE[®] ULTRA

Stronger. Lighter.

Armourthene[®] Ultra is a stronger, lighter blend made using advanced polymers.

By delivering the same strength from an advanced or co-extruded, multi-layered product, Armourthene[®] Ultra can reduce the weight of your polythene consumption by up to 30% - Meaning less plastic waste to landfill as well as saving up to 20% in costs.

Pros

- ▶ **SAVING:** Lower unit cost
- ▶ **ECO:** Less polythene going to landfill
- ▶ **ECO:** 100% recyclable
- ▶ **YIELD:** More metres per roll
/ More bags per pallet

Cons

- **ORDER QUANTITY:** Higher MOQ
- **POLYMER COST:** More expensive polymer
- **SAMPLES:** We will require samples to analyse, so not a “quick switch”

ARMOURTHENE[®] Plant



Not your conventional polythene.

Produced from Sugar cane and Potato starch rather than oil, it captures CO₂ from the atmosphere through photosynthesis and releases oxygen, making it possibly the greenest option available right now.

Pros

- ▶ **ECO: Carbon Neutral**
- ▶ **ECO: 100% Recyclable**
- ▶ **PERFORMANCE: Contains all of the same properties as standard polythene and hence no changes in performance, appearance or feel.**

Cons

- **ORDER QUANTITY: Higher MOQ**
- **COST: More expensive than conventional polymers**
- **SAMPLES: We will require samples to analyse, so not a “quick switch” and will need to be trialed.**

ARMOURTHENE[®] REGENERATE RECYCLE

Created using a percentage of in-house recycled content, giving polythene that has already served its purpose another cycle.

Armourthene[®] “Regenerate Recycle” can have any percentage of in-house recycled polymer. Most commonly supplied at 30%, 50% or 100%, offering a great cost saving as well as reducing waste going to landfill by giving polythene a 2nd life and improving your carbon footprint.

Pros

- ▶ SAVING: Lower unit cost
- ▶ ECO: Less polythene going to landfill
- ▶ ECO: 100% recyclable
- ▶ TAX: Can Avoid UK Plastic Packaging Tax

Cons

- GRADE: Not food grade
- COLOUR/OPACITY: Not consistent
- PERFORMANCE: Often not as strong as virgin material

NEW: Food Grade option [now available](#) using new co-extruded, multi-layer polythene. Ask us about this!



ARMOURTHENE[®]

DEGRADABLE

Armourthene[®] Degradable products can be made as either **Bio-Degradable** or **Compostable**

Bio-Degradable products break down naturally into miniscule pieces of plastic over time by microorganisms such as bacteria and fungi. It also depends largely on the environment it is housed in (temperature, humidity...etc).

Pros

- ❖ ECO: Adheres to many guidelines
- ❖ LIFESPAN: Can take years to degrade in storage

Cons

- ECO: Not recyclable
- ECO: Still emits greenhouse emissions
- COST: Higher unit price

Compostable products are created using natural materials such as starch, which fully decomposes into compost in the right conditions without creating any toxic residue as they break down.

Pros

- ❖ ECO: Adheres to many guidelines
- ❖ ECO: Decomposes into “compost”
- ❖ ECO: Does not produce toxic residue
- ❖ LIFESPAN: Can take years to degrade in storage

Cons

- ECO: Not recyclable
- COST: Higher unit price



Thank you

Here at PSL, we value the work we do and always look to surpass expectations.

We are a pro-active company that pride ourselves on finding solutions to packaging or supply issues of any size, quickly and efficiently.

With the capacity and resources to ensure a consistent supply, combined with a wealth of knowledge in the packaging field, we have everything to provide great products and an excellent overall service.

For **free advice** and a **quick response**, tell us how we can help!