

# RECYCLABLE VS BIODEGRADABLE

## The Drawbacks Of Biodegradable Packaging

- ▶ While some believe that biodegradable solutions are the most environmentally friendly packaging option on the market, the truth is that this isn't the case. The primary issue with biodegradable materials is the elements they need in order to breakdown. Composting, for example, requires sunlight, oxygen, and water which makes it challenging. Particularly when you consider the conditions they are likely to experience when placed in landfill. Buried underneath dirt and waste, they will not be able to breakdown and as such, lose all sustainable benefits.



SUNLIGHT



AIR



WATER

## Recyclable Packaging

- ▶ The alternative solution is recyclable packaging, something that is picking up more and more traction by the day. While the Australian Packaging Covenant Organisation's plan for 2025 includes compostable options, it's primarily focused on recyclability. There are a number of ways to repurpose materials during the recycling process such as textiles, insulation, chairs and benches. They can also be combined with additional materials to create useful surfaces for roads & airport runways. In some respects, the process is also more eco-friendly than other waste management options due to its minimal contribution to global warming and the conservation of existing materials.

### A Study On Biodegradables - Journal Of Environmental Science & Technology

*A recent study discovered biodegradable plastics were still able to serve as a shopping bag after spending 3 years in soil...*

The study (published in the Journal Of Environmental Science & Technology) ran tests of varieties of different shopping bags. They were exposed to open air, submersed in seawater and buried in soil. The research showed that all broke down within 9 months of being exposed to air, but in the soil exposure tests, these biodegradable bags were still capable of holding 2kg worth of weekly groceries despite being buried for 3 years. The research and development of biodegradable packaging is very important. But as it currently stands, recyclable is still the most sustainable option.

# ROLLSPACK'S SUSTAINABILITY

At RollsPack we're focused on innovating for the future and recognise that as a company we must seek every opportunity to implement sustainable practices.



We're a signatory for the Australian Packaging Covenant



We recycle all our waste & use solventless lamination



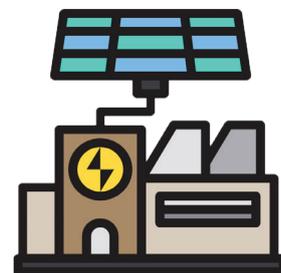
We recycle the heat generated by our machines



We are members of the REDcycle program



Our satchels can be returned & dispatched for recycling



Solar panels make our warehouse 100% energy efficient during day



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We look forward to hearing from you...