



Tied up in recycling

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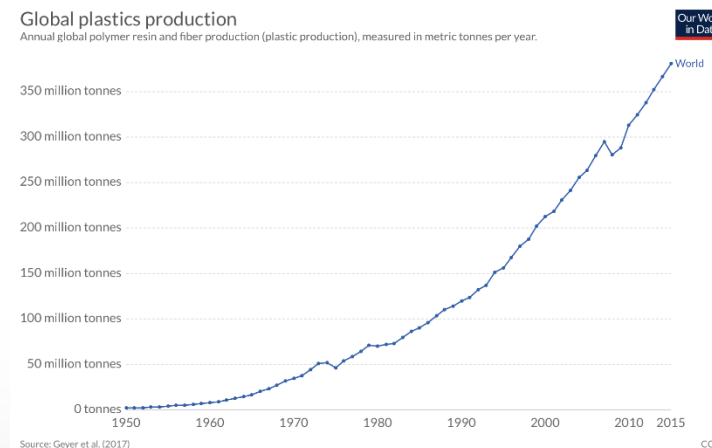
FACTS

The United Nations warned that every **year** more than 400 million tons of **plastic** waste is produced **in the world**, of which only 9 percent is **recycled** *

* <https://www.efe.com/efe/english/world/un-warns-globally-only-9-percent-of-plastic-waste-is-recycled/50000262-3638548>

In summary, it's estimated that in 2015, around 55 percent of global **plastic** waste was discarded, 25 percent was incinerated, and 20 percent was **recycled**. Of the **plastic** waste produced between 1950 and 2015, only 9 percent was **recycled**. *

* <https://ourworldindata.org/faq-on-plastics>





GENERAL NET MATERIAL DETAILS

Netting/Rope – High Performance HT Polyester
Industrial Yarn

Polyethylene Terephthalate

Net Hook – forged steel
Double Stud Fitting – forged steel
Flags – Vinyl

18 Double studs
18 Net hooks



MATERIAL AND VOLUME

- Average Cargo net weight (no fittings) 11 kg
- Fittings 4 kg
- Strap weight 1 kg (no buckle)
- Buckle 0.5 kg
- 400.000 pallets including net
- Replace 1 net every 2 year (0.5 py)
- 6 straps per pallet
- One time usage 10.000 pallets X 6 straps p/m

200.000 nets p/y X 11 KG = **2.200.000** KG disposable material p/y

10.000 pallets X 6 pcs X 12 months X 1 KG = **720.000** KG disposable material p/y



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CHALLENGES & METHODS

Landfilling – Most common

Incineration – High energy

Recycling and Biodegradation – Challenging >

- Material hard to recycle due to specifications
- Material is very strong
- Material burn rate high
- Hooks and double studs are stuck in machines
- Cost price vs repair cost
- Shelf-life limitations

RESPONSIBILITIES



Manufacturer

Airline (end user)

Repair facility

Handling agent



ENVIRONMENT

The vast majority ends up in landfills or in natural environment

Increased global warming

Soil and marine clutter & contamination

RECYCLING

Airline industry

Automotive

Road construction

Anything pet based



SOLUTIONS – RESPONSIBLE DISPOSAL

Repair more

Prepare for recycling (take metal off)

Cleaner material

Act responsible



www.ACLairshop.com



ANY TIME.



ANY PLACE.

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