



Distrupol-PreCW

A revolutionary pre-consumer waste polypropylene material

A recent increase in public awareness of plastic materials and their effect on our environment has seen an introduction of government schemes and industry initiatives to combat plastic waste and the irresponsible use of plastic.

Reusing, recycling and rethinking how we use plastic are all key approaches to ensure that we use plastic in an environmentally-friendly and conscientious way.

Distrupol is committed to building a sustainable future, where plastic can be responsibly used and reused. This considered, the introduction of Distrupol-PreCW pre-consumer waste polypropylene to our portfolio is a significant milestone in our sustainability journey.

What is Pre-Consumer Waste?

'Waste plastic' can be divided into three main categories:

- **Industrial Waste:** Waste plastic produced during a manufacturing process i.e. material that is rendered useless after use such as sprues, runners and scrap mouldings.
- **Post-Consumer Waste:** Material produced by the end-consumer, normally waste plastic derived from the household bin.
- **Pre-Consumer Waste:** Waste derived from an industrial process where the plastic item cannot be used again in the same industrial process.

Distrupol-PreCW is made from pre-consumer waste.

In particular, the waste derived from the manufacturing process of making contact lenses. The polypropylene moulds used in the production of contact lenses cannot be used again due to risk of contamination and are usually disposed of after use. However, we are able to salvage this material and process it back into granules/flakes for injection moulding. This makes it possible to reintroduce manufacturing 'scrap' back into the manufacturing process, thus reducing plastic waste.

Advantages of Distrupol-PreCW:

- Available in both pellet and flake forms
- Material source and grade are known: we can refer to the manufacturer's MSDS
- This is not mixed waste; it's more consistent
- Extremely clean and natural in format
- 35% virgin material added to the pellet form to increase processing stability (therefore 65% pre-consumer waste)
- Reduces the amount of plastic sent to landfill or for recycling

Approximate mechanical information:

DistPreCW GT6535RCP

(Pellet – 65% pre-consumer waste PP/35% virgin PP)

Measure	Result	Unit	Test Standard
Flexural Modulus	1303	MPA	ISO 178
MFR	24	g/10min	ISO 1133
Notched Izod Impact Strength (23°C)	5	KJ/m ²	ISO 180

DistPreCW GT100RCP

(Flake – 100% pre-consumer waste PP)

Measure	Result	Unit	Test Standard
Flexural Modulus	1250	MPA	ISO 178
MFR	30	g/10min	ISO 1133
Notched Izod Impact Strength (23°C)	5	KJ/m ²	ISO 180

**It is important that the customer understands the source of this material and approves it as an acceptable waste source.*

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Sustainability

At Distrupol, we recognise the importance of acting responsibly, safely and with integrity, in order to contribute to a sustainable future.

For further information visit www.distrupol.com/sustainability

Further Information

For more information on this innovative new material, or to order a sample, please contact your local Account Manager or email us at info@distrupol.com



Design, Develop & Deliver

Distrupol, your polymer solutions partner.

Our highly experienced sales and technical team will support you with mould design, polymer selection, testing and process optimisation.