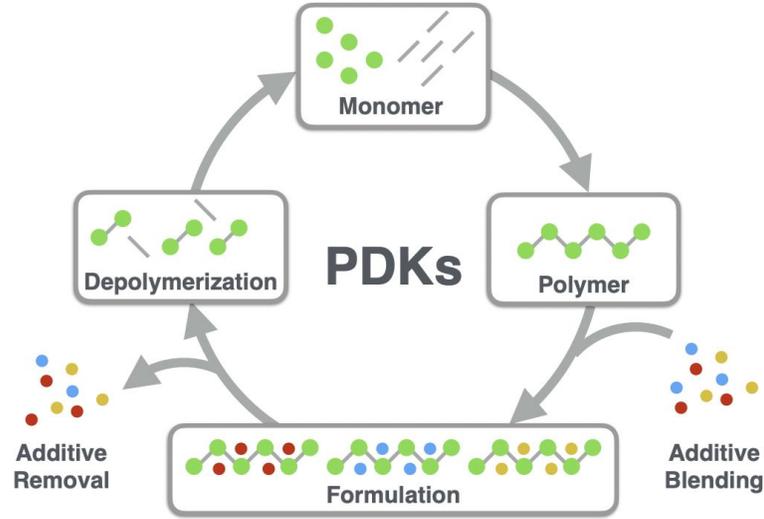


Infinitely Recyclable Polymers Enabling Circular Design



Composition of Matter + Recycling Process



P. Christensen & B. Helms, *Nature Chemistry* (2019)

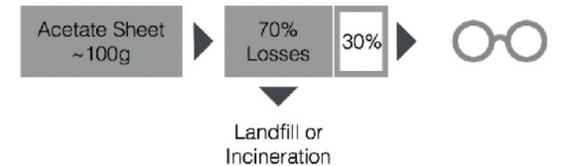
Patent Application
PCT/US2018/061681

MVP - Eyewear Frames, Circular Proof of Concept

- Highly Wasteful Manufacturing (70-90% / pair)
- Minimal Material Requirement (100g / pair)
- High COGS \$5 / frame \$50 / kg
- High Retail Margins >1000%



Competitors



FLO Materials



If recycled PDKs are (10x) lower in cost than virgin PDKs, then material pricing will depend on volume, speed, and economics of waste recovery and recycling.

We are trying to understand:

- Production, Manufacturing, Recycling Economics
- Rate and Volume of: Waste Generation
- Logistics (Forward & Reverse)
- Geography of Manufacturing & Recycling

