Multicomponent textile recycling

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Multicomponent hydrolytic kinetics for textile recycling

\[ n(t) = Q_i \sum_{i=1}^{n} R_i \left( \frac{h}{d} \pi h^2 + C \right)^6; \sum_{i=1}^{n} R_i = 1 \]

Circular economy

- Reaction rate controlling steps - surface reaction or penetrant transport
- Autogenous hydrolytic depolymerization

In-Situ Composite Formation

- Infusion and crystallization of PET
- Cold drawing in solvent
- Multiple neck formation
- Raman spectroscopy for concentration measurement

Corporate resiliency

- Skin
- CoolMax Fabric
- Moisture
- Air

New product development