



RiPurpose[®] Adhesive

Upcycled and sustainable adhesives from post-consumer plastic feedstock

About RiPurpose[®] Adhesive

This product is produced by co-polymerization of post-consumer waste polyethylene terephthalate (PET) plastic collected from ocean and the environment. This rPET-based RiPurpose adhesive product is uniquely designed to deliver

- stronger cohesive strength
- higher moisture and solvent resistance
- environmental flexible applications
- customizable setting time

The sustainable product empowers industries to advance the circular economy—reducing waste and conserving resources. The GEN-1 hot-melt adhesive product, targeting arts & crafting, household fixing, DIY projects and packaging application is available for evaluation.



Target Applications

- Art & crafting
- Household fixing
- DIY projects
- Packaging

Key Features

- Stability compatibility to EVA-based HMAs
- 3.55 ± 0.8 MPa stress
- >90 kPa strength
- 160 ± 10 °C melting temperature
- Crystallinity retained upon reheating

