



## Pulp-Reinforced Thermoplastic Composites

*What are pulp-reinforced thermoplastic composites?*

Wood-pulp fibres—slender and strong—can be effective reinforcement for plastic resins and, in principle, create materials that are lighter but with better performance relative to composites reinforced with inorganic fillers, like glass fibres. If combined with biopolymers, wood-pulp fibre reinforced composites yield biocomposites that can be compostable or recyclable.

### SOME KEY FACTS

- Renewable and sustainable
- Ideal to create new high-value products from underutilized wood
- Can help revitalize rural BC and indigenous communities
- Can potentially have applications in consumer goods, construction or transportation—e.g., automotive sector—to create lighter and stronger parts leading to better performance and/or better fuel efficiency