

EVALUATION CHECKLIST

Choose The Right Circular Composites Vendor



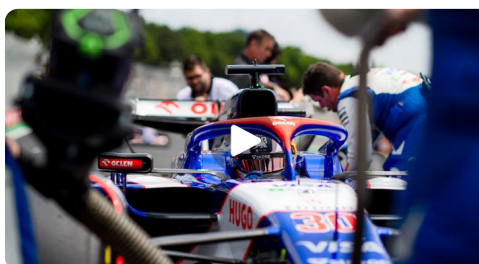
Key Considerations For Selecting Circular Composites Vendors

Use this checklist to evaluate a carbon composite, regardless of who is selling it:

- ☐ **The composite consist of continuous fibers.** (Chopped fibers cannot be recovered with full mechanical performance.)
- ☐ **The resin matrix is cleavable under mild conditions** (e.g. solvolysis at $<100^{\circ}\text{C}$). (Thermally cured epoxies or non-cleavable thermoplastics complicate recovery.)
- ☐ **The composite has been engineered for separation.** (Ask for digital fiber orientation designs.)
- ☐ **The recovered materials can be reused in equivalent applications.** (Ask for the retention rate and make sure to pick a material that can be recovered at nearly 100% of its virgin properties).
- ☐ **The material composition is transparent and traceable.** (Make sure you get detailed information on the virgin fiber properties, resin matrix used, batch numbers etc. so you can trace how the part was made and when - key information for recycling).
- ☐ **The vendor can provide extensive details on the recycling & return process of your components.** (Can they recover the material for you or do you need to find a recycling company. When finding a recycling partner, make sure to assess their experience and also their costs!)
- ☐ **Recycling offers a positive ROI for my business.** (Recycling costs less than vs. virgin material).

At Holy Technologies we have worked very hard to tick all the boxes. Ready to make your next part fully recyclable?

[Free Tech Assessment](#)



Click here to watch the full story with Visa Cash App RB and see how we achieved 100% recyclability for a mirror casing.