

# End of Life Material Recovery Opportunities

Once your Keilhauer chair reaches the end of its life, it doesn't need to end up in a landfill. In fact, many of the parts and materials it contains still have value, and can be reused or recycled to avoid an afterlife as waste.

Reusing the materials is the best option, since the material gets a new life in its current form. No energy, water, or other resources are needed to break it down or alter it. Recycling is the next best option. Though it does require energy and other resources to recycle, the material still gets new life when it is used to make another product.

## Material Reuse

Keilhauer products are built for long useful lives. Often products are still in great condition at the end of their lives, and only suffer from small issues like an over worn part, or a stained or ripped cover. In these cases you can:

1. Reuse as much of the original chair as possible, and contact our Parts Department for replacement parts, to have a new cover sewn, etc. Keilhauer Parts Department can be reached by phone at **1-800-724-5665** or by email at **parts@keilhauer.com**.
2. Make the repairs. If you don't have the skills in-house to do so, check for local repair people in your area. Our Parts Team may also be able to provide recommendations.

## Material Recycling

When re-use is not an option, recycling should be approached. You can recycle doing the following:

1. Disassemble the chair. This can often be done by hand with standard tools like screwdrivers, Allen keys, and side cutters for staple removal.
2. Separate all dissimilar materials. Foam should be separated from plywood, nylon from polyester, metal from polyurethane etc.
  - If you are unsure what materials comprise the product, you can find construction data at keilhauer.com. Select your product, and view the construction tab. To identify plastic types you can look for resin codes stamped on all plastic components.
3. Become familiar with your local recycling options.
  - Identify recycling companies and scrap metal dealers/recyclers.
  - Understand your municipality's recycling guidelines, and what they will and will not accept.
4. Know that the recyclability of a material depends on:
  - Volume available
  - Whether there is an end market for the material
  - Purity of the material (avoid coatings, mixed materials, etc.)
  - Availability of recycling infrastructure (is there a collection method, a processing facility, etc.).

5. Recycle the materials. The following outline provides some ideas of how to recycle common Keilhauer materials:

**Metal:** Type: Steel, Aluminum  
Recyclability: Widely recycled  
How to recycle: Contact local scrap metal dealers or recycling companies.  
Value: steel \$0.50/lb. - \$0.60/lb. USD; aluminum \$0.65 - \$0.95/lb. USD

**Plastic & Foam:** Type: Acetal (POM), Acrylonitrile Butadiene Styrene (ABS), Glass-filled Polypropylene (PP-GF15), Glass-filled Nylon (PA-GF15, PA-GF27, and PA-GF30), Medium Impact Modified Nylon (PA6-MI), Medium Impact Modified Polypropylene (PP-MI), Nylon (PA), Polycarbonate (PC), Polyester (PEST), Polyethylene (PE and PE-HD), Polyurethane (PUR and PUR-HD), Polypropylene (PP), Styrene Butadiene/K-resin (SB), Thermoplastic Elastomer (PO-PE), Urethane (UR), Vinyl (V)

Recyclability: ABS, PA, PE and PP – Widely recyclable  
POM, PP-GF15, PP-MI, PA6-MI, PA-GF15/27/30, PC, PEST, PO-PE, PUR, SB, UR, and V – Not commonly recyclable  
How to recycle: ABS, PA, PE and PP – Contact recycling companies or recycle through your municipality (if accepted)

POM, PP-GF15, PP-MI, PA6-MI, PA-GF15/27/30, PC, PEST, PO-PE, PUR, SB, UR, and V – Contact local recycling companies.

Value: \$0.06 - \$0.35/lb. USD

**Wood:** Type: Hardwood, Plywood, Composite wood  
Recyclability: Recyclable  
How to recycle: Contact local recycling companies.  
Value: \$0 - \$1/board foot USD

**Textiles:** Type: Leather, Nylon, Polyester  
Recyclability: Recyclable  
How to recycle: Contact local recycling companies.  
Value: Leather \$0.20 - \$0.32/lb. USD; Nylon/Polyester \$0.06 - \$0.25/lb. USD