# VIA End of Life Recovery Options

| Identification of Materials | | Material Recovery Opportunities | | |
|---|---|---|---|---|
| Material | Example Components | Recycling Notes | Higher Value Opportunity | Lower Value Opportunity |
| **Plastic** | | | | |
| Acetal (POM) | internal bushings on chair control mechanisms | Actively recycled into raw polymer by industrial plastic recyclers. It is important to note, however, that recycled plastic markets are highly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material type, quantity, presence of contaminants, markets for that material, etc.). Recycling value is improved with greater quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content). | Recycled POM Regrind | Mixed Thermoplastic Compression Molding |
| Acrylonitrile Butadiene Styrene (ABS) | outer shells on Duality series | | Recycled ABS Regrind | |
| Nylon (PA) | chair bases (with glass reinforcement) | | Recycled PA Regrind | |
| Polypropylene (PP) | outer backs on Reva, Brisbane | | Recycled PP Regrind | |
| Thermoplastic Polyurethane (TPU) | Genie Flex back insert | | Granulation or Regrind | |
| Polyurethane Foam | foam cushioning on upholstered chairs | Actively recycled by foam manufacturers and recyclers into carpet padding. | Recycled Carpet Padding | |
| Rubber | Swopper bottom pad | Not currently actively recycled due to process limitations. Reuse or refurbishment is currently the best option for these materials. As a low value option, the energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies. | N/A | Waste to Energy |
| Santoprene | Duality flex strip | | N/A | Waste to Energy |
| **Metals - Ferrous (e.g. Steel, Iron)** | | | | |
| Steel | chair controls, bars connecting back to chair, frames on stack chairs | Actively recycled into raw ferrous metal ingot. Ferrous metals are easily separable from other materials through shredding and magnetic separation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). | Recycled Steel Ingot | Off Grade Ferrous Ingot |
| **Metals - Non-Ferrous (e.g. Aluminum, Stainless Steel, Zinc Die Cast, Brass)** | | | | |
| Cast Aluminum | optional chair base - all 5-leg rolling models, optional arms (ex: Duality 95) | Actively recycled into raw metal ingot. Non-ferrous metals are not separable through magnetic separation. Recycling value is improved with greater quantity and accurate material identification (e.g. metal grade). | Recycled Cast Grade Aluminum Ingot | Recycled Off Grade Aluminum Ingot |
| **Textiles** | | | | |
| Natural Fabrics | determined by customer at time of order | Recycling possible into non-woven fabrics. | Recycled fibers for use in non-woven products | Landfill Disposal |
| Polyester Fabrics (including Via mesh on specific models only) | determined by customer at time of order | Recycling possible into raw polymer. | | |
| Mixed Fabrics | determined by customer at time of order | Recycling possible into non-woven fabrics. | | |
| Leather | determined by customer at time of order | Not currently actively recycled due to process limitations. Reuse or refurbishment is currently the best option for these materials. As a low value option, the energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies. | N/A | |
| Vinyl | determined by customer at time of order | Recycling possible only through extraction based processes. | Recycled PVC polymer through extraction based processing | |
| **Wood / Bio based Materials** | | | | |
| Plywood | inner construction on Brisbane (seat and back) | Not currently actively recycled due to process and economic limitations. Reuse or refurbishment is currently the best option for these materials. As a low value option, the energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies. | Not Actively Recycled (Currently) | Waste to Energy |
| Hardwood | optional arm and chair base caps | | | |
| **Other** | | | | |
| Laminate | surface material on optional tablet arm | Not currently actively recycled due to process and economic limitations. Reuse or refurbishment is currently the best option for these materials. As a low value option, the energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies. | Not Actively Recycled (Currently) | Waste to Energy |
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