



End of Life Recovery Options

Identification of Materials		Material Recovery Opportunities		
Material	Example Components	Recycling Notes	Higher Value Opportunity	Lower Value Opportunity
Please visit www.recyclingmarkets.net to find a recycling outlet nearest to you.				
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 Re grind	Mixed Thermoplastic Compression Molding
Acrylonitrile Butadiene Styrene (ABS)	Outer shells on INDY/Advent/PEARL IR series.		Recycled ABS Re grind	
Low Density Polyethylene (LDPE, LLDPE)	Final packaging only.		Recycled LDPE Re grind	
Nylon (PA)	Chair bases with glass reinforcement.		Recycled PA Re grind	
Polypropylene (PP)	Seats and backs on INDY series; Arm pads		Recycled PP Re grind	
Polyurethane Foam	Foam cushioning on upholstered chairs.	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
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	All 5-leg rolling models; Optional chair base; Optional arms and head rest (ex: CAC/CAB/HRA)	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 into shoddy for use in non-woven products	Landfill Disposal
Polyester Fabrics	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 are currently the best options 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 / Biobased Materials				
Plywood	Inner construction on upholstered seats and backs.	Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options 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.			