

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				
Nylon (PA)	Frames, Arms, Twisted Loop Arm, Bases, Support Pucks, Plastic Tube, Tube End Cap, Tube Connector, X-mas Tree, Glides, Caster, Bumper, Bumper Spring, End Plug, Telescope Cover, Width Adjustment Track, Arm Height Adjustment Mechanism, Yoke Assembly	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 PA Re grind	Mixed Thermoplastic Compression Molding
Polypropylene (PP)	Seats, Backs, Shells, Tapered Feet, Bracket Cover, Telescope Cover, Covers		Recycled PP Re grind	
Polyurethane (PU)	Arms, Arm Caps, Arm Foam, Back Foam, Seat Foam, Foam Gasket, Floor Pad		Recycled Carpet Padding	
Polyurethane Foam	Seat Cushions, Shipping Pad	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
Metals - Ferrous (e.g. Steel, Iron)				
Steel	Chair Frames, Back Structure, Seat Structure, Arms, Mechanisms, Cylinders, Brackets, Tubing/Support, Taper Pin, Washers, Screws, Bolts, T-Nuts, Clips, Spacers, Footring, J-Bar, U-Channel	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)				
Extruded Aluminum	Zipper	Actively recycled into raw metal ingot. Non-ferrous metals are not seperable through magnetic seperation. Recycling value is improved with greater quantity and accurate material identifcaiton (e.g. metal grade).	Recycled Extruded Grade Aluminum Ingot	Recycled Off Grade Aluminum Ingot
Textiles				
Natural Fabrics	Determined by customer at the time of the order.	Recycling possible into non-woven fabrics.	Recycled fibers into shoddy for use in non-woven products	Waste to Energy
Polyester Fabrics		Recycling possible into raw polymer.		
Mixed Fabrics		Recycling possible into non-woven fabrics.		
Vinyl		Recycling possible only through extraction based processes.	Recycled PVC polymer through extraction based processing	
Wood / Biobased Materials				
Plywood	Backs, Seats, Arm Kit, Back Kit, Inner Arms, Seat Platform, Valance, Back Angle Spacer Kit, Arm Filler	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
Chipboard	Pull Tabs, Arm Tabs, Roll Arm Top,			
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