

Identification of Materials		Material Recovery Opportunities		
Material	Example Components	Recycling Notes	Higher Value Opportunity	Lower Value Opportunity
Please visit <a href="http://www.recyclingmarkets.net">www.recyclingmarkets.net</a> to find a recycling outlet nearest to you.				
<b>Plastic</b>				
Nylon (PA)	arm pads, arm bushings, casters, glides, bases	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 Regrind	Mixed Thermoplastic Compression Molding
Polyurethane Foam	foam cushioning on upholstered product.	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
<b>Metals - Ferrous (e.g. Steel, Iron)</b>				
Steel	Chair frames, metal seat box, springs and clips, tilt, gas cylinder, base understructure, j bar, foot ring, Hardware (fasteners)	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
<b>Metals - Non-Ferrous (e.g. Aluminum, Stainless Steel, Zinc Die Cast, Brass)</b>				
Cast Aluminum	bases, arms	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
<b>Textiles</b>				
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.		
Vinyl	Determined by customer at time of order.	Recycling possible only through extraction based processes.	Recycled PVC polymer through extraction based processing	
<b>Wood / Biobased Materials</b>				
Plywood	seat decks, back frames, chair shells,	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	base caps, arm caps			
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<b>Plastic</b>				
Nylon (PA)	arms, arm pads, casters, glides	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
Polyurethane Foam	foam cushioning on upholstered product.	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
<b>Metals - Ferrous (e.g. Steel, Iron)</b>				
Steel	chair frames, brackets, hardware, arm supports, springs and spring clips	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
<b>Textiles</b>				
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.		
Vinyl	Determined by customer at time of order.	Recycling possible only through extraction based processes.	Recycled PVC polymer through extraction based processing	
<b>Wood / Biobased Materials</b>				
Plywood	seat decks, back frames	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	Body sides, cross rails			
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<b>Plastic</b>					
Nylon (PA)	casters, glides	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	
Polycarbonate (PC)	side trays		Recycled PC Re grind		
Polyurethane	arm caps		Actively recycled by foam manufacturers and recyclers into carpet padding.		Recycled Carpet Padding
Polyurethane Foam	foam cushioning on upholstered product.		Actively recycled by foam manufacturers and recyclers into carpet padding.		Recycled Carpet Padding
<b>Metals - Ferrous (e.g. Steel, Iron)</b>					
Steel	seat boxes, mechanism, rails, lock bars, brackets, hardware	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	
<b>Textiles</b>					
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.			
Vinyl	Determined by customer at time of order.	Recycling possible only through extraction based processes.			Recycled PVC polymer through extraction based processing
<b>Wood / Biobased Materials</b>					
Plywood	body sides, frame components, kickouts, rear panels, seat frames	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	back frame components				
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<b>Plastic</b>				
Nylon (PA)	casters, glides, rollers	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
Polyurethane	arm caps	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
Polyurethane Foam	Foam cushioning on upholstered product.	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
<b>Metals - Ferrous (e.g. Steel, Iron)</b>				
Steel	Pull out sleeper mechs, cross support rails, springs and clips, hardware, legs	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
<b>Textiles</b>				
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.		
Vinyl	Determined by customer at time of order.	Recycling possible only through extraction based processes.	Recycled PVC polymer through extraction based processing	
<b>Wood / Biobased Materials</b>				
Plywood	body sides, seat decks, back frames	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	feet, frame parts, top arms			
<b>Other</b>				
Press Board w/ Thermofoil	optional writing tablets	Reuse is currently the best options for this material. 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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<b>Plastic</b>				
Nylon (PA)	glides	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 Regrind	Mixed Thermoplastic Compression Molding
<b>Metals - Ferrous (e.g. Steel, Iron)</b>				
Steel	Conceive table frames	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
<b>Wood / Biobased Materials</b>				
Hardwood	Odeon Table Frames	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
<b>Other</b>				
Press Board w/ Laminate	Odeon Table tops		Not Actively Recycled (Currently)	Waste to Energy
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