



Identification of Materials Material Recovery Opportunities				
Material	Example Components	Recycling Notes	Higher Vaue Opportunity	Lower Value Opportunit
	Please visit www.	recyclingmarkets.net to find a recyling outlet ne	arest to you.	
Plastic				
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	Actively recycled by foam manufacturers and	Recycled Carpet Padding	
Metals - Ferrous (e.g.	product. Steel, Iron)	recyclers into carpet padding.		
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 seperable from other materials through shredding and magnetic seperation. 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	bases, arms	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 identificaiton (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.		
Polyester Fabrics	Determined by customer at time of order.	Recycling possible into raw polymer.	Recycled fibers into shoddy for use in non-woven products	Landfill Disposal
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	
Wood / Biobased Mat	erials			
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	Not Actively Recycled	Waste to Energy
		for these materials. As a low value option, the energy content can be reclaimed in a	(Currently)	Waste to Energy





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Plastic						
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 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			
Metals - Ferrous (e.g. S	teel, Iron)					
Steel	chair frames, brackets, hardware, arm supports, springs and spring clips	Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. 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		
Textiles						
Natural Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.				
Polyester Fabrics	Determined by customer at time of order.	Recycling possible into raw polymer.	Recycled fibers into shoddy for use in non-woven products	Landfill Disposal		
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			
Wood / Biobased Mate	rials					
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	Not Actively Recycled (Currently)	Waste to Energy		
Hardwood	Body sides, cross rails	energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies.				





Please visit www.recyclingmarkets.net to find a recyling outlet nearest to you. Pleastic Actively recycled into raw polymer by industrial plastic recycles. It is important to note, however, that recycled plastic markets are lightly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material bye, quantity, presence of contaminants, markets for that material, etc., Recycled PA Regrind material fluctuates based upon multiple factors (e.g. material bye, quantity, presence of contaminants, markets for that material, etc., Recycled plastic markets and extended in the property of contaminants, markets for that material, etc., Recycled plastic markets and extended in the property of contaminants, markets for that material, etc., Recycled PA Regrind material identification (i.e. identified by base polymer, filler, and additive content). Polyurethane arm caps foam cushioning on upholstered product. Actively recycled by foam manufactures and recycled so froam manufactures and recycled by foam set in got, for some of the product. Metals - Ferrous (e.g. Steel, Iron) Actively recycled into raw ferrous metal ingot, for use manufactures and recycled by foam set in got, for manufactures and recycled so foam set in got, for use in non-woven fabrics. Polyester Fabrics Determined by customer at time of order. Polyester Fabrics Determined by customer at time of order. Polyester Fabrics Determined by customer at time of order. Polyester Fabrics Determined by customer at time of order. Polyester Fabrics Determined by customer at time of order. Polyester Fabrics Determined by customer at time of order. Polyester Fabrics Determined by customer at time of order. Polyester Fabrics Determined by customer at time of order. Polyester Fabrics Determined by customer at time of order. Polye	Identification of Materials Material Recovery Opportunities				
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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). Polyurethane arm caps Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recycled Carpet Padding Porduct. Actively recycled by foam manufacturers and recycled Carpet Padding Porduct. Actively recycled by foam manufacturers and recycled Carpet Padding Porduct. Actively recycled by foam manufacturers and recycled Carpet Padding Porduct. Actively recycled into carpet padding. Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable 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). Fextiles Fextiles Polyuester Fabrics Determined by customer at time of order. Wikied Fabrics Determined by customer at time of order. Wikied Fabrics Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycling possible into non-woven fabrics. Recycling possible into non-woven fabrics. Recycled PC Regrind Recycled Steel Ingot Off Grade Ferrous Ingo will be provided to process and economic limitations. Reuse or refurbishment are currently the best options, to these materials. As a low value option, the energy content can be reclaimed in a designated wastet-on-energy facility equipped, with proper pollution control technologies.	Plastic				
Polycarbonate (PC) side trays quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content). Recycled PC Regrind Recycled Carpet Padding Recycled PC Regrind Rec	Nylon (PA)	casters, glides	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,	Recycled PA Regrind	Mixed Thermoplastic Compression Molding
recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers Carpet Padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Metals - Ferrous (e.g. Steel, Iron) Actively recycled into raw ferrous metal ingot. Ferrous metals through shredding and magnetic speration. Therefore, many metal recyclers will accept ferrous metals with contain small amounts of mixed materials (e.g. plastic, aluminum). Polyester Fabrics Determined by customer at time of order. Determined by customer at time of order. Determined by customer at time of order. Recycling possible into raw polymer. Polyester Fabrics Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycling possible only through extraction based processes. Polywood Determined by customer at time of order. Recycling possible only through extraction based processing Not currently actively recycled due to processing Not Actively Recycled (Currently) Waste to Energy Waste to Energy Waste to Energy with proper pollution control technologies.	Polycarbonate (PC)	side trays	quantities and accurate material identification (i.e. identified by base polymer, filler, and	Recycled PC Regrind	
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Seat boxes, mechanism, rails, lock bars, brackets, hardware Seat boxes, mechanism, rails, lock bars, brackets, hardware Natural Fabrics Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycling possible into raw polymer. Mixed Fabrics Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled fibers into shoddy for use in non-woven products Recycling possible into non-woven fabrics. Recycled Fibers into shoddy for use in non-woven products Recycling possible into non-woven fabrics. Recycled Fibers into shoddy for use in non-woven products Recycled Fibers into shoddy	Polyurethane Foam	• .		Recycled Carpet Padding	
seat boxes, mechanism, rails, lock bars, brackets, hardware serials are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Potermined by customer at time of order. Recycling possible into non-woven fabrics. Polyester Fabrics Determined by customer at time of order. Recycling possible into raw polymer. Recycled fibers into shoddy for use in non-woven fabrics. Polyester Fabrics Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled PVC polymer products Landfill Disposal Mixed Fabrics Determined by customer at time of order. Recycling possible only through extraction based processes. Recycled PVC polymer through extraction based processing Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options of 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. Waste to Energy Waste to Energy Potential process Potential pr	Metals - Ferrous (e.g. S	Steel, Iron)			
Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled PVC polymer through extraction based processes. Plywood Biobased Materials Determined by customer at time of order. 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. Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled fibers into shoddy for use in non-woven products Recycled PVC polymer through extraction based processing Not Currently extraction based 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.	Steel		Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic,	Recycled Steel Ingot	Off Grade Ferrous Ingot
Order. Determined by customer at time of order. Determined by customer at time of order. Mixed Fabrics Determined by customer at time of order. Determined by customer at time of order. Polymoid Determined by customer at time of order. Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled PVC polymer through extraction based processes. Recycled PVC polymer through extraction based processing 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. Recycled fibers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled fibers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled fibers into shoddy for use in non-woven products Recycled fibers into shoddy for use in non-woven products Recycled fibers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products Recycled ribers into shoddy for use in non-woven products R	Textiles				
Determined by customer at time of order. Mixed Fabrics Determined by customer at time of order. Determined by customer at time of order. Recycling possible into non-woven fabrics. Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled PVC polymer through extraction based processes. Recycled PVC polymer through extraction based processing Wood / Biobased Materials 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. Waste to Energy	Natural Fabrics	-	Recycling possible into non-woven fabrics.		
Determined by customer at time of order. Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled PVC polymer through extraction based processes. Recycled PVC polymer through extraction based processing Nood / Biobased Materials Plywood body sides, frame components, kickouts, rear panels, seat frames 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. Recycled PVC polymer through extraction based processes. 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.	Polyester Fabrics	-	Recycling possible into raw polymer.	for use in non-woven	Landfill Disposal
Wood / Biobased Materials Plywood body sides, frame components, kickouts, rear panels, seat frames back frame components Hardwood back frame components back	Mixed Fabrics	-	Recycling possible into non-woven fabrics.		
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)	Vinyl	-		through extraction based	
body sides, frame components, kickouts, rear panels, seat frames 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	Wood / Biobased Mate	erials			
energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies.	Plywood		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		Waste to Energy
Pavisian Data: 4/20/2017	Hardwood	back frame components			
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Plastic				
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 Regrind	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	
Metals - Ferrous (e.g.	steel, Iron)	. , , ,		
Steel	Pull out sleeper mechs, cross support rails, springs and clips, hardware, legs	Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. 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
Textiles				
Natural Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.		
Polyester Fabrics	Determined by customer at time of order.	Recycling possible into raw polymer.	Recycled fibers into shoddy for use in non-woven products	1611 51
				Landfill Disposal
Mixed Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.		
Mixed Fabrics Vinyl	•	Recycling possible into non-woven fabrics. Recycling possible only through extraction based processes.	Recycled PVC polymer through extraction based processing	
	order. Determined by customer at time of order.	Recycling possible only through extraction	through extraction based	
Vinyl	order. Determined by customer at time of order.	Recycling possible only through extraction based processes. Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options	through extraction based	Wasto to Energy
Vinyl Wood / Biob ased M at	order. Determined by customer at time of order. erials	Recycling possible only through extraction based processes. Not currently actively recycled due to process and economic limitations. Reuse or	through extraction based processing	Waste to Energy
Vinyl Wood / Biobased Mat Plywood	order. Determined by customer at time of order. erials body sides, seat decks, back frames	Recycling possible only through extraction based processes. 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	through extraction based processing Not Actively Recycled	Waste to Energy
Vinyl Wood / Biobased Mat Plywood Hardwood	order. Determined by customer at time of order. erials body sides, seat decks, back frames	Recycling possible only through extraction based processes. 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	through extraction based processing Not Actively Recycled	Waste to Energy Waste to Energy





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Plastic				
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
Metals - Ferrous (e.g.	. Steel, Iron)			
Steel	Conceive table frames	Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. 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
Wood / Biobased Ma	iterials			
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
Other				
Press Board w/ Laminate	Odeon Table tops		Not Actively Recycled (Currently)	Waste to Energy
Revision Date: 4/20	0/2017			•