

izzy+ End of Life Recovery Options

Identification of Materials		Recovery Opportunity		
Material	Components	Recycling Notes	High Value Opportunity	Low Value Opportunity
Aggregate				
Brick	Counterweight	Readily recycled into other aggregate products	Recycled Brick	Clean Fill
Aluminum				
Cast Aluminum	Chair bases, pulls, etc.	Readily recycled into raw metal ingot	Casting Grade Aluminum Ingot	Off Grade Aluminum Ingot
Extruded Aluminum	Cabinet base frames, table legs, modesty panel frames, etc.	Readily recycled into raw metal ingot	Extruded Grade Aluminum Ingot	Off Grade Aluminum Ingot
Electronics				
Miscellaneous	Motorized lifts, controls, flip up power, power accessories, etc.	Recycled to capture metals, precious metals, and plastic content	Recycled to capture metals, precious metals, and plastic content	Recycled only to capture a limited material stream
Glass				
Tempered Glass	Cabinet doors, Privacy screens	Recycling requires separation from traditional glass (i.e. "float glass") as tempered glass has a higher melting point. As such, many facilities do not accept tempered glass.	Recycled tempered glass	Recovered into aggregate products or art mosaics.
Plastic				
Acetal (POM)	Hardware components	Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	POM Regrind	Mixed Thermoplastic Compression Molding
Acrylonitrile Butadiene Styrene (ABS)	Edgeband	Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	ABS Regrind	Mixed Thermoplastic Compression Molding
Acrylic (PMMA)	Modesty panels	Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	PMMA Regrind	Mixed Thermoplastic Compression Molding
High Density Polyethylene (HDPE)		Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	HDPE Regrind	Mixed Thermoplastic Compression Molding
Low Density Polyethylene (LDPE, LLDPE)	Stretch wrap packaging	Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	LDPE Regrind	Mixed Thermoplastic Compression Molding
Nylon (PA)	Chair bases, casters, glides	Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	PA Regrind	Mixed Thermoplastic Compression Molding
Polycarbonate (PC)		Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	PC Regrind	Mixed Thermoplastic Compression Molding
Polyethylene Terephthalate (PET)		Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	PET Regrind	Mixed Thermoplastic Compression Molding
Polypropylene (PP)	Seats, seat backs,	Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	PP Regrind	Mixed Thermoplastic Compression Molding
Polystyrene (PS, EPS, HIPS)		Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	PS Regrind	Mixed Thermoplastic Compression Molding
Polyurethane, Flexible	Seat cushions, arm pad, table edges	Actively recycled through shredding and compression into carpet padding	Carpet Padding	
Polyvinyl Chloride (PVC)	Edgeband	Actively recycled into raw polymer, although may require separation by base polymer, filler, and additive content	PVC Regrind	Mixed Thermoplastic Compression Molding
Steel / Iron				
Thin Gauge Steel (<1/16")	Case good panels, etc.	Readily recycled into raw metal ingot	Steel Ingot	Off Grade Ferrous Ingot
Thick Gauge Steel (>1/16")	Brackets, steel tubing, anti-sag bars,	Readily recycled into raw metal ingot	Steel Ingot	Off Grade Ferrous Ingot
Miscellaneous	Side chair frames, drawer slides, gas lifts, etc.	Readily recycled into raw metal ingot	Steel Ingot	Off Grade Ferrous Ingot
Stainless Steel	Various hardware	Readily recycled into raw metal ingot	Stainless Steel Ingot	Off Grade Ferrous Ingot
Cast Iron	Table leg mounting bracket	Readily recycled into raw metal ingot	Cast Iron Ingot	Off Grade Ferrous Ingot
Textile				
Natural Fabrics	Various fabrics	Recycling possible into non-woven fabrics	Recovery of scraps for reuse	Recycled fibers into shoddy for use in non-woven products
Polyester Fabrics	Various fabrics	Recycling possible into raw polymer	Recovery of scraps for reuse	Recycled fibers into shoddy for use in non-woven products
Mixed Fabrics	Various fabrics	Recycling possible into non-woven fabrics	Recovery of scraps for reuse	Recycled fibers into shoddy for use in non-woven products
Leather	Leather grade fabrics	Recycling possible into composite leather products through addition of binding agent (e.g. rubber or plastic) to shredded leather	Recovery of scraps for reuse	Recycled composite leather products
Vinyl	Vinyl grade fabrics	Recycling possible only through extraction based processes	Recovery of scraps for reuse	Recycled PVC polymer through extraction based processing
Wood				
Particleboard	Cabinet body substrate, table top surface substrate	Not actively recycled due to composition and value of the material	Recovered for reuse / refurbishment	Waste to Energy
Medium Density Fiberboard (MDF)	Modesty panels	Not actively recycled due to composition and value of the material	Recovered for reuse / refurbishment	Waste to Energy
Plywood	Molded seat, molded seat back	Not actively recycled due to composition and value of the material	Recovered for reuse / refurbishment	Waste to Energy
Other				
Brass	Keys, lock mechanisms	Readily recycled into raw metal ingot	Brass Ingot	Off Grade Brass Ingot
Laminate	Case good surfaces, table top surfaces	Not actively recycled due to composition and value of the material	Recovered for reuse / refurbishment	Waste to Energy
Zinc Die Cast	Various hardware	Readily recycled into raw metal ingot	Zinc Die Cast Ingot	Off Grade Zinc Ingot