

Identification of materials		Material Recovery Opportunities		
Material	Recycling notes	Higher Value Opportunity	Lower Value Opportunity	
Electronics				
Miscellaneous Electronics (Circuit boards, cords, motors, etc.)	Actively 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 (e.g. precious metals)	
Plastic				
Acetal (POM)		Recycled POM Re grind		
Acrylonitrile Butadiene Styrene (ABS)		Recycled ABS Re grind		
Acrylic (PMMA)		Recycled PMMA Re grind		
High Density Polyethylene (HDPE)	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 HDPE Re grind		
Low Density Polyethylene (LDPE, LLDPE)		Recycled LDPE Re grind		
Nylon (PA)		Recycled PA Re grind	Mixed Thermoplastic Compression Molding	
Polycarbonate (PC)		Recycled PC Re grind		
Polyethylene Terephthalate (PET)		Recycled PET Re grind		
Polypropylene (PP)		Recycled PP Re grind		
Polystyrene (PS, EPS, HIPS)		Recycled PS Re grind		
Polyvinyl Chloride (PVC)		Recycled PVC Re grind		
Polyurethane Foam		Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
Metals - Ferrous (e.g. Steel, Iron)				
Steel	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	
Cast Iron		Recycled Cast Iron Ingot		
Metals - Non-Ferrous (e.g. Aluminum, Stainless Steel, Zinc Die Cast, Brass)				
Cast Aluminum		Recycled Cast Grade Aluminum Ingot	Recycled Off Grade Aluminum Ingot	
Extruded Aluminum	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 Extruded Grade Aluminum Ingot	Recycled Off Grade Aluminum Ingot	
Stainless Steel		Recycled Stainless Steel Ingot	Recycled Off Grade Ferrous Ingot	
Zinc Die Cast		Recycled Zinc Die Cast Ingot	Recycled Off Grade Zinc Ingot	
Brass		Recycled Brass Ingot	Recycled Off Grade Brass Ingot	
Textiles				
Natural fabrics	Recycling possible into non-woven fabrics.			
Polyester fabrics	Recycling possible into raw polymer.	Recycled fibers into shoddy for use in non-woven products		
Mixed fabrics	Recycling possible into non-woven fabrics.		Landfill Disposal	
Vinyl	Recycling possible only through extraction based processes.	Recycled PVC polymer through extraction based processing		

Wood / Biobased Materials

Particleboard

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

Medium Density Fiberboard (MDF)

Plywood

Other

Laminate

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