

Office Specialty End of Life Recovery Options

Identification of Materials		Recovery Opportunity		
Material	Example Components	Recycling Notes	High Value Opportunity	Low Value Opportunity
Aggregate				
Metal / Plastic Aggregate	Counterweight	The counterweight used by Office Specialty is comprised of a plastic and mill scale polymer. Reuse is the recommended strategy for recovery	Reuse	Metal Recovery
Electronics				
Miscellaneous Electronics (Circuit boards, cords, motors, etc.)	Systems / Filing (Storwal) / Tables (Tish) Electrical	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)
Glass				
Tempered Glass	Systems Glazing Insert, Add-On Glazing, Walls Inserts	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	Crushed for use in aggregate products
Plastic				
Acetal (POM)	Systems Tile Clips/ Plastic Fasteners/ End of Line Plug and Clip, Filing Antityp Cam/ Stops/ Guide	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 fluctuate 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 POM Re grind	Mixed Thermoplastic Compression Molding
Acrylonitrile Butadiene Styrene (ABS)	Filing & Storage Radius / Linear Pulls/ Intermediate Bars		Recycled ABS Re grind	Mixed Thermoplastic Compression Molding
Acrylic (PMMA)	Systems Glazing Insert, Add-On Glazing		Recycled PMMA Re grind	Mixed Thermoplastic Compression Molding
High Density Polyethylene (HDPE)	Systems Glide Caps, Hang File Bar Shipping Clip		Recycled HDPE Re grind	Mixed Thermoplastic Compression Molding
Low Density Polyethylene (LDPE, LLDPE)	Poly bags /Stretch Wrap		Recycled LDPE Re grind	Mixed Thermoplastic Compression Molding
Nylon (PA)	Tile Clips, Roller, Carrier, Antityp Plates, Electrical Clips, Glide Cover		Recycled PA Re grind	Mixed Thermoplastic Compression Molding
Polycarbonate (PC)	Systems Sliding Door, Monolithic Tile Clips		Recycled PC Re grind	Mixed Thermoplastic Compression Molding
Polyethylene Terephthalate (PET)	N/A		Recycled PET Re grind	Mixed Thermoplastic Compression Molding
Polypropylene (PP)	File Drawer Block		Recycled PP Re grind	Mixed Thermoplastic Compression Molding
Polystyrene (PS, EPS, HIPS)	Pencil Tray		Recycled PS Re grind	Mixed Thermoplastic Compression Molding
Polyvinyl Chloride (PVC)	Thermofoil; Extrusions- Twin Bin, Superstore Inserts, Electrical Cut-outs		Recycled PVC Re grind	Mixed Thermoplastic Compression Molding
Polyurethane, Flexible Foam	Cushion		Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding
Metals - Ferrous (e.g. Steel, Iron)				
Steel	Filing & Storage, Systems Frames, Tiles, Bracketry, Walls Frame	Readily recycled into raw ferrous metal ingot. Ferrous metals are easily separable from other materials through shredding and magnetic separation. Therefore, many metal recyclers	Recycled Steel Ingot	Off Grade Ferrous Ingot
Cast Iron	N/A		Recycled Cast Iron Ingot	Off Grade Ferrous Ingot
Metals - Non-Ferrous (e.g. Aluminum, Stainless Steel, Zinc Die Cast, Brass)				
Cast Aluminum	Stack-On Insert	Readily 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
Extruded Aluminum	Systems Trims, Modular Tower Corner Posts, Walls Frame		Recycled Extruded Grade Aluminum Ingot	Recycled Off Grade Aluminum Ingot
Stainless Steel	N/A		Recycled Stainless Steel Ingot	Recycled Off Grade Ferrous Ingot
Zinc Die Cast	Foot Frame Socket/ Trim Caps/ Lock Hook/ Wood Tile Clips/ Walls Components		Recycled Zinc Die Cast Ingot	Recycled Off Grade Zinc Ingot
Brass	N/A		Recycled Brass Ingot	Recycled Off Grade Brass Ingot
Textiles				
Natural Fabrics	COM (Customer Own Material) ?	Recycling possible into non-woven fabrics	Recovery of scraps for reuse	Recycled fibers into shoddy for use in non-woven products
Polyester Fabrics	Systems Tiles/ Cushions	Recycling possible into raw polymer	Recovery of scraps for reuse	Recycled fibers into shoddy for use in non-woven products
Mixed Fabrics	COM (Customer Own Material) ?	Recycling possible into non-woven fabrics	Recovery of scraps for reuse	Recycled fibers into shoddy for use in non-woven products
Vinyl	Cushions	Recycling possible only through extraction based processes	Recovery of scraps for reuse	Recycled PVC polymer through extraction based processing
Wood				
Particleboard	Laminate / Veneer Worksurfaces/ Deskings / Tables	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.	Recovered for reuse / refurbishment	Waste to Energy
Medium Density Fiberboard (MDF)	Systems Worksurfaces, Tiles, Filing Wood Fronts, Tables		Recovered for reuse / refurbishment	Waste to Energy
Plywood	N/A		Recovered for reuse / refurbishment	Waste to Energy
Hardwood	Filing & Storage Shannon		Recovered for reuse / refurbishment	Waste to Energy
Other				
Laminate	Worksurfaces, tiles	Not currently actively recycled due to process and economic limitations.	Recovered for reuse / refurbishment	Waste to Energy