

PGM Refining - Accepted Materials Matrix

Material		Pt	Pd	Rh	Ir	Ru	Au	Ag	Comments
Environmental Catalysts	End of life autocatalysts	•	•	•					Pre-processed ceramic, metallic, silicon carbide
	Production residues	•	•	•					Obsolete/reject stock
	Stationary Catalyst	•	•	•					Ceramic blocks
Chemical	Catalysts intermediates	•	•	•	•	•	•		Catalyst intermediates, process catalysts
	Solutions	•	•	•	•	•	•		Distillation residues
	Production residues	•	•	•	•	•	•		Wipes, filter cloths
Dental	Manufacturing & alloy scrap	•	•		•				Crowns and alloy scrap
	Production residues	•	•		•		•	•	Floor sweeps, grindings or other residues
Electronics	MLCC capacitor scrap	•	•			•			
	Capacitors	•	•			•	•		
	Targets	•				•			Pure, mixed, residues & sludge
	Sand blast & cleandown residues	•				•			
Fuel Cells	Electrodes	•							End of life electrodes
	MEAs	•				•			End of life MEAs
	Production residues	•				•			Floor sweeps & spent catalysts
Jewellery	End of life scrap	•	•	•	•	•			Rings, chains, rods, ingots
	Watch cases	•	•	•	•	•			Case & strap alloys
	Production residues	•	•	•	•	•			Floor sweeps, grindings & residues
Glass	PGM alloys	•	•	•	•	•			
	Crucibles	•			•				
	Thermocouples	•		•	•				
	Refractory brick	•	•	•	•	•			
	Mirroring residues		•						
Petrochemical	Reforming catalyst	•	•						Free-flowing pellets, extrudate, spheres
	Catalyst residues	•	•						Fines
Mining	Pre-process PGM concentrate	•	•	•	•	•	•	•	
	Residues	•	•	•	•	•	•	•	Reverted process residues
Precious Metal Refiners	Down-stream process concentrate	•	•	•	•	•	•	•	
Base Metal Refiners	Down-stream process concentrate	•	•	•	•	•	•	•	
Refiners, Semi-refiners & Smelters	Reverted process residues	•	•	•	•	•	•	•	
	Upgraded residues / bullion	•	•	•	•	•			
Minting	Blanks	•	•	•	•	•			Offcuts, rejects
	PGM residues	•	•	•	•	•			Floor sweeps, grindings or other residues
Nitric Acid Manufacture	PGM alloys	•	•	•					
	Clean down residues	•	•	•					PGM Recovery from end of life equipment
Plating	Ion exchange resins / Smopex	•	•	•	•	•			
	PGM scrap	•	•	•					
	Flake / bullion	•	•	•					