

### Toraphene Masterbatch & 3D Printing Grades

Grade	Polymer Type	Toraphene Masterbatch Type	Typical Use	Application Area / Functionality	PROCESS				Comments	Pellet £/1 kg MSRP	Spool £/1 kg MSRP
					3D Printing	Film Extrusion	Blow Molding	Injection Molding			
TMB1001	PLA	Pellet or Filament	3D-printing	High stiffness, puncture resistance	●			●	Bio-based, industrially compostable	24.77	28.48
TMB1002	PLA	Pellet or Filament	3D-printing	High conductivity	●			●	Bio-based, industrially compostable, anti static, thermal conductor	30.08	34.60
TMB1003	PHBH	Pellet or Filament	3D-printing	High stiffness, puncture resistance	●			●	Bio-based, home compostable, marine biodegradable	43.16	49.64
TMB1004	PHBH	Pellet or Filament	3D-printing	High conductivity	●			●	Bio-based, home compostable, marine biodegradable	48.48	55.75
TMB1005	PHBH	Pellet	Injection moulded parts	Flame retardant, thermal stability	●			●	Bio-based, home compostable, marine biodegradable	48.48	
TMB1006	PLA blend	Pellet	Bags, Film & Sheet	Flexible, tear strength		●			Bio-based, home compostable	27.48	
TMB1007	PLA blend	Pellet	Bags, Film & Sheet	Barrier film		●			Bio-based, home compostable	56.45	
TMB1008	LDPE	Pellet	Bags, Film & Sheet	Flexible, tear strength		●	●	●	Recyclable	21.07	
TMB1009	LDPE	Pellet	Bags, Film & Sheet	Barrier film		●	●	●	Recyclable	50.03	

Toraphene Masterbatch technology exhibits exceptional nanomaterial dispersion qualities and after 11 years of development and innovation, it is the standard by which others are judged. Toraphene Masterbatch is the strongest high-performance sustainable product in the market today.