

## Metal Injection Moulding (MIM)

# MIM Materials List & Guide

### Materials List

Material	Grade
Stainless Steel	17 - 4PH
	304
	316L
	420
Fe-based Alloys	2200
	2700
	4605
	...
Titanium	Ti 6Al 4V
Ceramic	Al2O3
	ZrO2

### Design Guide

Weight	Length	Wall Thickness
Weight Limit: < 200 g	Length Limit: < 200mm	Minimum Wall Thickness: 0.15 mm
Ideal Weight: 0.1 - 50 g	Ideal Length: < 60mm	Maximum Wall Thickness: 5.0 mm

### Tolerance Guide

Nominal Dimension (mm)	Tolerance (mm)
< 3	± 0.03
3 - 6	± 0.05
6 - 15	± 0.08
15 - 30	± 0.15
30 - 60	± 0.25
> 60	± 0.5%