DOU YEE TECHNOLOGIES
ENGINEERED CONSISTENCY

Typical Properties of MIM Materials

Materials	Grades	Density (g/cm³)	Hardness
Stainless Steels	17-4 PH	7.60	35 – 40 HRC
	304L	7.80	120 HV
	High C-314	7.65	180 HV
	316L	7.85	120 HV
	317L	7.85	120 HV
	420	7.40	45 – 50 HRC
	440C	7.50	55 – 58 HRC
	HK-30	7.55	200 HV
	1.4957	7.65	140 HV
	Panacea	7.60	290 HV
Case Hardened Steels	2200	7.50	500 – 600 HV
	2700	7.60	500 – 600 HV
	8620	7.40	800 HV
Hardened & Tempered Steels	FeNi8	7.50	400 HV
	4140	7.50	42 – 48 HRC
Controlled Expansion Alloys	Alloy 42	7.55	110 HV
	F-15 (Kovar)	7.70	65 HRB
Soft Magnetic Alloy	FeSi3	7.50	75 HRB
Cobalt-Chromium Alloys	F75	8.00	225 HV
Ni-Fe-Mo Alloy	Fe80Ni4Mo	8.40	290 HV
Ni-Cr Superalloy	Inconel 713C	7.80	290 HV
Tungsten Alloy	W95NiFe	17.5	25 HRC
Pure Copper	Cu	8.40	100 HV