



4605

composition
after sintering

C%	Si%	Ni%	Mo%	Fe%
0.4-0.6	≤1.0	1.5-2.5	0.2-0.5	balance

standards

ASTM MIM-4605, MPIF MIM-4605

Characteristic
Properties
(Typical values are
shown in bracket)

	as sintered	heat-treated
Density\g/cm ³	≥7.5	
Yield Strength R _{P0.2} \Mpa	≥205(255)	1310(1480)
Ultimate Tensile Strength\Mpa	≥380(415)	1480(1655)
Elongation\%	≥11(15)	<1.0
Hardness	≥150 HV10	48 HRC