



F15

composition
after sintering

C%	Ni%	Co%	Si%	Mn%	Al%	Mg%	Zr%	Ti%	Cu%	Cr%	Mo%	Fe%
≤0.04	29	17	≤0.2	≤0.5	≤0.1	≤0.1	≤0.1	≤0.1	≤0.2	≤0.2	≤0.2	Bal.

Al+Mg+Zr+Ti≤0.2% , all others≤1%

standards

MPIF MIM-F15

as sintered

Characteristic
Properties
(Typical values)

Density\g/cm ³	7.8
Yield Strength R _{P0.2} \Mpa	300
Ultimate Tensile Strength\Mpa	460
Elongation\% E-	25
modulus\Gpa	120
Hardness\HRB	65
Coefficient of thermal expansion (CTE)	= 4.5x10 ⁻⁶ K ⁻¹ (20 °C – 400 °C)