

Comparison Table of Powder Metallurgy Material Standards

MPIF
Standard
35

JIS
Z 2550

DIN
30910

ISO
5755

NINGBO BLUE MACHINES CO., LTD.

<https://powdermetallurgy.com>

Each country or region follows its own powder metallurgy material standards—for example, MIPF 35 by the Metal Powder Industries Federation, DIN 30910 in Germany, and JIS Z 2550 in Japan. To simplify material cross-referencing across these standards, BLUE has prepared a clear and convenient comparison table for your reference.

MIPF Standard 35

MIPF 35 Standards are published by the Metal Powder Industries Federation. They provide detailed information on powder metallurgy material for materials engineers and powder metallurgy practitioners.

JIS Z 2550

JIS Z 2550 is a Japanese industrial standard that specifies the general requirements for sintered metal materials.

DIN 30910

DIN 30910 is a German standard, issued by the Deutsches Institut für Normung, that specifies the properties and characteristics of sintered metal materials.

ISO 5755

ISO 5755 was developed by the International Organization for Standardization. It specifies the chemical composition and the mechanical

and physical properties of sintered metal materials used for structural parts and bearings.

Material Comparison Table of Different Standards.

MPIF 35	DIN 30910	ISO 5755	JIS Z 2550
F-0000-15	SINT C 00	F-00-100	SMF1015
F-0000-20	SINT D 00	F-00-120	SMF1020
F-0005-20	SINT C 01	F-05-140	SMF3030
F-0005-25	SINT D 01	F-05-170	SMF3035
F-0008-35	/	F-08-240	SMF3035
FC-0205-45	SINT D 11	F-05C2-300	SMF 4050
FC-0208-60	SINT D 11	F-08C2-390	SMF 4050
FN-0205	/	F-05N2-180	SMF 5030 /5040
FN-0208	/	F-08N2-260	SMF 5030 /5040
FD-0205-55	SINT D 39	FD-05N2C-400	SMF 5040
FD-0205-65	SINT E 39	FD-05N2C-440	SMF 5040
FD-0208-60	SINT D 39	/	SMF 5040
FD-0405-60	SINT D 39	FD-05N4C-420	SMF 5040
FD-0405-65	SINT E 39	FD-05N4C-450	SMF 5040
FD-0408-60	SINT D 39	/	SMF 5040
FLDN4C2-4908	SINT D 32	/	/

FLDC2-4908	SINT E 32	/	/
SS-303N1-25	/	FL303-170N	SMS 1025
SS-303N2-38	/	FL303-260N	SMS 1035
SS 304N2-33	/	FL304-210N	SMS 1025
SS-304N2-38	/	FL304-260N	SMS 1035
SS 316N2-33	SINT C 40	FL316-170N	SMS 1025
SS-316N2-33	SINT C 40	/	SMS 1035
SS-316H-20	SINT C 40	/	SMS 1035
SS-316L-15	SINT C 40	/	SMS 1025
SS 316L-22	SINT D 40	FL316-150	SMS 1025
SS 410	SINT C 43	FL410-140	SMS 2025
SS-410L-20	SINT C 43	FL410-140	SMS 2035
SS 430	SINT C 42	FL430-170	SMS 2035
SS 430L	SINT C 42	FL430-170	SMS 2035
SS-430L-24	/	FL430-170	SMS 2035
SS 434	/	FL434-170	SMS 2035
FX-2000	/	FX-08C10	SMF 6040
FX-2005	/	FX-08C20	SMF 6055
P/F-11C20	SINT F 10	/	/
P/F-11C60	SINT F 11	/	/
/	SINT A 00	F-00-K170	/
/	SINT B 00	F-00-K220	/

F-0000-K15	SINT A 10	F-00C2-K200	/
F-0000-K23	SINT B 10	F-00C2-K250	/
FG-0303-K10	/	-F-03G3-K70	/
FG-0303-K12	/	F-03G3-K80	/
CT-1000-K26	SINT A 50	C-T10K-140	/
CT-1000-K37	SINT B 50	C-T10K-180	/
CTG-1001-K17	/	C-T10GK-90	/
CTG-1001-K23	SINT A 51	C-T10GK-120	/
CTG-1001-K30	SINT B 51	C-T10GK-160	/
FCTG-3604-K16	/	F-03C36T-K90	/
FCTG-3604-K22	/	F-03C36T-K120	/
CFTG-3806-K14	/	F-03C45T-K70	/
CFTG-3806-K22	/	-F-03C45T-K100	/
F-0000-K15	SINT A 00	F-00-K170	/
F-0000-K23	SINT B 00	F-00-K220	/
F-0005-K20	SINT A 01	/	/
F-0005-K28	SINT B 01	/	/
F-0008-K20	SINT A 01	/	/
F-0008-K32	SINT B 01	/	/
FC-0200-K20	SINT A 10	F-00C2-K200	/
FC-0200-K34	SINT B 10	F-00C2-K200	/
FC-0205-K35	SINT B 11	/	/

FC-0208-K45	SINT B 11	/	/
FC-0508-K46	SINT B 11	/	/
FC-2008-K44	SINT A 22	/	/
FC-2008-K46	SINT B 22	/	/
FG-0303-K10	/	F-03G3-K70	/
FG-0303-K12	/	F-03G3-K80	/

The information above is provided for reference only. BLUE makes no guarantee as to its accuracy, completeness, or validity.