

porite the examples of material characteristics for porite bearings

material mark		chemical ingredients	density (x103kg/m3)	oil content (vol%)	radial crushing strength (MPa)	allowable PV value MPa · m/min	features/examples of usage /other	standard concerned(reference)
								ISO5755 : 2012
								JISZ2550 : 2016
Recommended material	BCF	Fe-Cu-Sn-(C)	5.8~6.6	18min	200min	150	good anti-wear , good sliding characteristic equivalent to copper material	---
	YBF	Fe-Cu-Sn-Zn-(C)	5.8~6.6	18min	160min	125	good anti-rust , low friction, suits for micro bearing	---
	VAB	Fe-Cu-Sn-Zn-(C)	5.3~6.1	23min	160min	125	ODD spindle motor (CD, DVD, Blu-ray), LBP polygon scanner, DLP color wheel motor	---
	ASO	Fe-Cu-Sn-Zn-(C)	5.7~6.5	18min	200min	150	Fe-Cu material for general purpose (home appliance ,automotive ,office equipment etc)	---
	LPP	Fe-Cu-Sn-Zn	5.8~6.6	18min	160min	125	Fan motor	---
	CLB	Fe-Cu-Sn-(C)	5.5~6.3	24min	150min	125	High oil content ,Fan motor, Haptics device	---
	LFP	Cu-Sn	6.8~7.8	12min	100min	60	Low friction , Fan motor	---
	SLF	Fe-Cu-Zn	6.7~7.7	12min	100min	60	Low friction (improved from LFP), Fan motor(quiet model)	---
	HSP	Fe-Cu-Sn-(C)	6.0~6.8	18min	150min	150	Good for high speed rotation	---
	SIM	Fe-Cu-Sn-Zn-(C)	5.8~6.8	18min	150min	150	Suit for micro bearing , vibration motor, small stepping motor	---
	DMP	Cu-Sn-P-C	7.0~7.6	6min	180min	185	Low speed , High load	---
HDP	Fe-Cu-Sn-P-C	5.9~6.7	15min	200min	210	suit for high load application , anti vibration, wiper, ETC, EGR ,etc	---	
Copper material	PCA01	Cu-Sn	6.4~7.2	18min	150min	100	Copper material for general purpose (home appliance ,automotive ,office equipment etc)	C-T10
	PCA02	Cu-Sn-C	6.2~7.0	18min	150min	100	Copper material for general purpose	C-T10G
	PCA04	Cu-Sn-C	6.2~7.0	12min	50min	100	Wiper motor , Micro motor	C-T10G
	PCC01	Cu-Sn	6.4~7.2	18min	160min	125	Washer motor, Geared motor ,Starter motor	C-T10
	PCF00	Cu-Sn	6.4~7.2	18min	150min	125	Micro motor, Acoustic equipment, Air conditioner	C-T10
	PCG03	Cu-Sn-P-C	7.0~7.6	6min	180min	185	Low speed , High load (same as DMP)	---
Iron material	PIA01	Fe	5.6~6.4	18min	170min	60	Wiper motor , Micro motor	F-00
	PIB01	Fe-Cu	5.6~6.4	18min	200min	75	Iron material for general purpose (home appliance ,automotive ,office equipment etc)	F-00C2
	PIB20	Fe-Cu	5.6~6.5	18min	150min	125	Ventilating fan, Electric fan ,Blower fan motor	F-03C22
	PIB21	Fe-Cu-C	5.6~6.5	18min	150min	125	Wiper motor , Micro motor	F-03C22G
	PIC01	Fe-C	5.6~6.4	18min	200min	75	Office equipment	---
	PID01	Fe-Cu-C	5.6~6.4	18min	280min	125	Office equipment , door hinge bush	---
	PID02	Fe-Cu-C	5.4~6.4	18min	200min	125	Geared motor , Washing machine	---
	PIG01	Fe-Cu-Sn-C	5.4~6.4	18min	200min	125	Washing machine, Laundry dryer, Dehydrator, Electric fan motor	---

*Please contact us as the bearing characteristics such as operating temperature range, wear resistance, and current loss will change depending on the impregnated oil.