ADACEL Technologies Limited.

## <Table: I>

| Type | | Bronze | Brass | Fe | Fe-Cu | Fe-C | Fe-Cu-C | | Fe-Cu-Ni-C | | | Cu Infiltrate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ComparativeSpecifications(std) | | MPIF CT-1000 | MPIF CZP-2002 | MPIF F-0000 | MPIF FC-0200 | MPIF F-0008 | MPIF FC-0205 | MPIF FC-0205 -80HT | MPIF FN-0205 | MPIF FN-0205 -105HT | MPIF FN-0405 | MPIF FX-1008 |
| PPM CODE | | CTT | USB | FO | FB | FC-240 | FKC-200 | FKC-200HT | SA | SAHT | AE | CI |
| Application | Machine parts | – | • | • | • | • | • | • | • | • | • | • |
| | Oil impregnatedBearings | • | – | – | • | – | – | – | – | – | – | – |
| Chemical Composition (%) | Fe | – | – | bal | bal | bal | bal | bal | bal | bal | bal | Bal |
| | C | – | – | – | – | 0.4~0.8 | 0.3~0.6 | 0.4~1.0 | 0.3~0.6 | 0.4~1.0 | 0.3~0.6 | 0.3~0.8 |
| | Cu | bal | 77~88 | – | 2.0 | – | 1~3 | 1~3 | 1~2.5 | 1~2.5 | 1~2.5 | 8~6 |
| | Sn | 8~11 | – | – | – | – | – | – | – | – | – | – |
| | Ni | – | – | – | – | – | – | – | 1~2.5 | 1~2.5 | 3~5 | – |
| | Pb | – | 1~2 | – | 2.0 | – | – | – | Mo0.5 | Mo0.5 | Mo0.5 | – |
| | Zn | – | bal | – | – | – | – | – | – | – | – | – |
| | Others | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 4.0 |
| Physical Mechanical Properties | Density (g/cm3) | 6.4~6.8 | 7.6~8.0 | 6.8 Min | 5.6~6.4 | 6.6 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 Min | 7.2 Min |
| | Oil Content(VOL. %) | 18 Min | – | – | 18 Min | – | – | – | – | – | – | – |
| | Ultimate Tensile Strength (kg/mm2) | 8 | 15 | 20 | 15 | 30 | 50 | 60 | 40 | 80 | 40 | 60 |
| | Elongation(%) | 2 | 10 | 5 | 1.0 | 0.5 | 1.0 | 0.2 | 1.0 | 0.3 | 1.0 | 2.0 |
| | Radial Crushing Strength (kg/mm2) | 15 Min | – | – | 20 Min | – | – | – | – | – | – | – |
| | Hardness | RH30~70 | RH75 | RB20 | RH30~70 | RB40 | RB40 | MHV450 Min | RB60 | MHV450 Min | RB70 | RB80 |

LianDa Industrial Zone, FeiHu North Rd, LuDu Town, Tai Cang City, JiangSu, P.R.C. Postal Code.:215412

Tel: 86-512-5337-1388 Fax: 86-512-5337-1386 email:info@adaceltech.com