

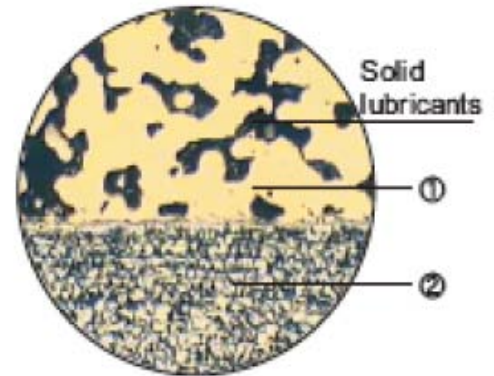
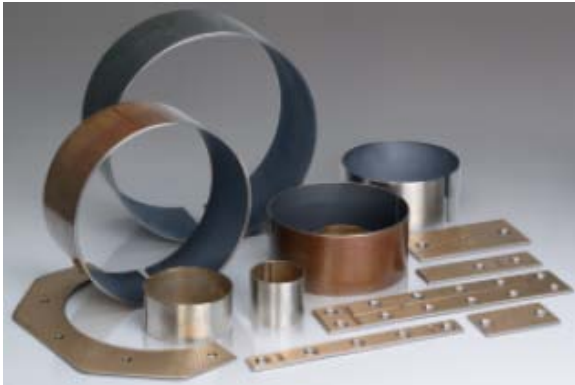
Material Data-sheet of BM1P RoHS



1. Description

Metal Backed Bronze Power with Solid Lubricants

2. Structure



2.1 Backing:Steel (SPCC))

SPCC Composition				
Technical Spec.	C	Mn	P	S
	≤0.15	≤0.6	≤0.1	≤0.025

2.2 Lining layer:

Composition:CuSn8-3(Sn-8% Zinc-3% Cu rest)+Solid lubricants+PTFE impregnation

CuSn8-3 Composition					
Technical Spec.	Sn	Zn	P	Cu	Rest
	7.3-8.7	2.3-3.7	0.05-0.3	85.5-90	≤0.6

Solid Lubricants: $> 10\%$

Hardness: $> 40\text{HB}$

Compressive deformation 150 Mpa: $< 0.05\text{mm}$

Max Load:static: $120\text{N}/\text{mm}^2$

dynamic: $80\text{N}/\text{mm}^2$

Recommend load $< 25\text{ N}/\text{mm}^2$

Max speed: $0.5\text{m}/\text{s}$

Max PV: 1.5

Friction coefficient: 0.03-0.15

Temp.: $-195/+280^\circ\text{C}$