

SCM Metal Products (Suzhou) Co., Ltd.

元磁新型材料(苏州)有限公司

TECHNICAL DATA SHEET

PARTIAL ALLOYED BRONZE

青銅粉 (銅 90-錫 10)

SPB Series

DESCRIPTION

A free-flowing bronze premix composed of homogeneous mixtures of copper powder, tin powder and lubricant ready for direct use in the compacting press. It's designed for skipping the risk of segregation, while maintaining good oil pore structure and oil content, especially for shelf die self-lubricant bearing. 本系列金屬粉末~青銅粉(銅錫、90/10 比例), 擁有均勻的混和物性, 適當的流動性和穩定的充填性, 可直接成型使用. 特殊的生產製程可避免偏析問題, 並同時保證了微細油孔分布和高含油率. 特別適合台階含油軸承生產.

SPB 系列 中的 典型代表 品名 : SPB-07

青銅粉 (銅/錫 90/10 金屬銅粉) Partial Alloyed Bronze Powder

CHEMICAL PROPERTIES	SPECIFICATIONS	TYPICAL
Copper, %	89.0 to 91.0	90.0
Tin, %	9.5 to 10.5	10.0
Lubricant, % Excess	0.5 to 0.7	0.60

PHYSICAL PROPERTIES

Apparent Density, g/cm ³	2.60 to 2.90	2.75
Flow Rate, s/50g	40 max.	36
Sieve Analysis, Tyler, % (before lub/s)		
+100 mesh (>149 μm)	1.0 max	0.5
-100/+150 mesh (105 to 149 μm)	20max	10
-150/+200 mesh		15
-200/+325 mesh		30
-325 mesh (<44 μm)	35 to 55	45

Dimensional Change%	Green density : 6.1 g/cm³	主要值 Typical
At sintering temp. 720°C, 17 minutes (peak 745°C)	-0.7 ~ -0.9	-0.8
At sintering temp. 740°C, 17 minutes (peak 765°C)	-0.5 ~ -0.7	-0.6
	Green density : 6.3 g/cm³	主要值 Typical
At sintering temp. 720°C, 17 minutes (peak 745°C)	-0.4 ~ -0.6	-0.5
At sintering temp. 740°C, 17 minutes (peak 765°C)	-0.2 ~ -0.4	-0.3

※SPB Series 系列品名可依照客戶要求, 生產不同的燒結尺寸變化規格的青銅粉;

樣品 和 服務 SAMPLES AND SERVICES

For further information or sample quantities for test, contact our Customer Service Department.

Visit our website at www.scmmetals.com

我們會很高興的提供進一步的技術諮詢和樣品服務, 懇請與我們的客戶服務部門聯繫, 和拜訪我們的網站 www.scmmetals.com

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Infiltrating Powder by SCM-Suzhou

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