



::栏目导航::

本课程主要参考文献

MPR, March, 1988, 205

MPR, July/August, 1990, 56

G. Hotmann, R. Hack et al: PMI, V.19, No 6, 1987

唐华生: 粉末冶金技术, 1989, Vol, 8, No 3, 189 ~ 192

MPR, November, 1988, 776 ~ 778

PMI, Vol.22, No 1, 1990

S.L Lin, R. M. German: PMI, V.21, No 5, 1989

MPR, May, 1990, 355 ~ 357

MPR, May, 1990, 339 ~ 342

余根新: 粉末冶金技术, 1988, V.16, No 4, 321 ~ 340

P. Bhave, W. Dornon et al: MPR, May, 1990, 559-362

PMI, Vol.19, No 3, 1987, 3

MPR, May, 1989, 355

J. R. Merhar: MPR, May, 1990, 339 ~ 342

W. Robert: R.W Messle: MPR, May, 1990, 363 ~ 370

S. Inamure et al.: J. Mater. Sci. Letters, 1993, V.12, No 17, 1368

D. D. Upadhyaya et al.: J. Mater. Sci., 1993, V.28, No 22, 6103

Xu Runze et al.: Modern Developments in Powder Metallurgy, 1988, V.19, 53 ~ 59

L. F. Pease and R. J. Sansoucy (eds.), Sintering (vol .4 in Advances in Powder Metallurgy), Metal Powder Industries Federation, Princeton , NJ . 1991.

T. Phillips, " Trouble-Shooting Guide for Sintering Furnace Atmospheres," Inter. J. Powder Met., 1990, vol . 26, pp. 245-260.

H. I. Sanderow (ed.), High Temperature Sintering, Metal Powder Industries Federation, Princeton , NJ , 1990.

H. Riedel and J. Svoboda, " A Theoretocal Study of Grain Growth in Porous Solids During Sintering," Acta Met. Mater., 1993, vol . 41. pp. 1929-1936.

C. Sierra and D. Lee, " Modeling of Shrinkage During Sintering of Injection Molded Metal Powder Compacts," Powder Met. Inter., 1988. vol. 20. no. 5. pp. 28-33.

D. P. Uskokovic. H. Palmour III, and R. M. Spriggs (eds.), Science of Sintering , Plenum Press, New York , NY , 1989.

G. F. Bocchini , " The Influence of Porosity on the Characterstics of Sintered Materials," Inter.J.Powder Met., 1986. vol . 22. pp. 185-202.

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[主要参考文献](#)

A. C. K. Chaklader and J. A. Lund (eds.), Sintering 91 . Trans Tech Publications, Brookfield , VT. 1992.

R. M. German, Liquid Phase Sintering . Plenum Press, New York , NY , 1985.

R. M. German and B. H. Rabin, " Enhanced Sintering Through Second Phase Additions," Powder Met., 1985, vol. 28. pp. 7-12.

S. Gowri and J. A. Lund, " Sintering Diagrams for Tungsten Spheres and Compacts." Tungsten and Tungsten Alloys . A. Bose and R. J. Dowding (eds.), Metal Powder Industries Federation. Princeton . NJ. 1993. PP. 183-194.

Z. A. Munir and J. B. Holt (eds.), Combustion and Plasma Synthesis of High Temperature Materials . VCH Publishers. New York , NY , 1990.

G. E. Dieter, Mechanical Metallurgy, Third Edition, McGraw-Hill , New York , 1986, pp. 27-32.

S. Pillay, " Computerized Methods of Preform Design for Powder Forging," Ph. D. thesis, University of Pittsburgh , 1980

C. Tsumuti and I. Nagare, " Application of Powder Forging to Automotive Parts" , Metal Powder Report, Vol. 39, pp. 629-637, 1984.

W. B. James, " Overview of High Density P/M Forming Processes" , International Journal of Powder Metallurgy & Powder Technology, Vol. 21, pp. 163-182, 1985.

The Metal Injection Moulding Brochure. The PM Education Working Group of the EPMA, 1994

Editor. Designing for MIM. Metal Powder Report, 1991: 14 ~ 17

F. V. Lenel. Fundamentals and Applications of Powder Metallurgy. ASM International , Materials Park , OH , 1990

F. V. Lenel 著 . 粉末冶金原理和应用 . 殷声, 赖和怡译 . 北京: 冶金工业出版社, 1989

[美] 美国金属学会主编 . 金属手册: 第七卷 粉末冶金 . 第九版 . 韩凤麟主译 . 北京 : 机械工业出版社, 1994

黄坤祥著 . 粉末冶金学 . 台北 : 英杰企业有限公司, 2001

韩凤麟主编 . 粉末冶金设备手册 . 北京 : 冶金工业出版社, 1997

韩凤麟, 贾成广编著 . 烧结金属含油轴承——原理、设计、制造与应用 . 北京 : 化学工业出版社 , 2004

German, R. M. Liquid Phase Sintering. Plenum Press. NY, 1985

MPIF Standard 35 Materials Standards for P/M Structural Part. 200 Ed. MPIF, Princeton , NJ , 2000

P/M Design Manual . 3rd ED. MPIF, Princeton , NJ , 1998

Robert W. Cahn and Peter Haasen. Physical Metallurgy. 4th revised and enhanced edition. Elsevier Science B. V. , 1996

Randall M. German. Powder Injection Molding. Princeton : Metal Powder Industries Federation, 1990

The Metal Injection Moulding Brochure. The PM Education Working Group of the EPMA, 1994

Editor. Designing for MIM. Metal Powder Report, 1991: 14 ~ 17

D. J. Farley. Metal Injection Molding: A Process Matures. Precision Metal , April , 1985:

粉末冶金专业协会 . 美国 MPIF 标准 35- 金属注射成形零件材料标准 . 2000

寺内俊太朗 . MIM 的现状和展望 . 2003 年全国粉末冶金学术会议, 2003

T. Allen, Particle Size Measurement . Fourth edition. Chapman and Hall. London . UK . 1990

J. K. Beddow. Particulate Science and Technology . Chemical and Hall, London . UK . NY. 1980

M. Ghadiri, F. A. Farhadpour, R. Clift and J. P. K. Seville, " Particle Characterization: Size and Morphology, " Powder Metallurgy - An Overview . I. Jenkins and J. V. Wood(eds.), The Institute of Materials , London , UK . 1991. PP. 56-75

S. Lowell and J. E. Shields, Introduction to Powder Surface Area and Porosity . John Wiley and Sons. New York . NY. 1984

J. F. Watts and T. J. Carney, " Surface Chemical Characterization fo Powders." Powder Metallurgy-An Overview . I. Jenkins and J. V. Wood (eds.). The Institute of Materials . London . UK . 1991. pp. 76-91.

I. Jenkins and J. V. Wood(eds.), Powder Metallurgy: An Overview , The Institute of Metals , London , UK , 1991

E. Klar (ed.), Powder Metallurgy: Applications. Advantages, and Limitations , American Society for Metals, Metals Park , OH , 1983

F. V. Lenel, Powder Metallurgy Principles and Applications , Metal Powder Industries Federation, Princeton , NJ , 1980

K. H. Roll, " History of Powder Metallurgy," Powder Metallurgy , E. Klar (ed.), vol. 7, ninth edition of Metals Handbook, ASN International, Materials Park, OH, 1984, PP. 14-20

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