



上海兆诺金属制品有限公司: <http://www.zhaonuo.com/cn> zhaonuo@gmail.com

上海公司: TEL: 021-67619004 57637562 FAX: 021-67619003 57636430

深圳公司: TEL: 0755-81445316 FAX: 0755-81445451

HPM50

类型:

精密塑料模具钢。

Type:

Grade for precise plastic mould.

化学成分 (Chemical Compositions):

	C碳	Si硅	Mn锰	P磷	S硫	Ni镍	Cr铬	W钨	Mo钼	Cu铜	Al铝
%	0.10	0.50	1.20	—	—	3.0	—	—	0.30	2.0	1.20

专利钢: Patented Steel

交货状态 (Delivered Condition):

预硬钢: HRC37~41

Hardened: HRC37~41

特性 (Features):

属于预硬钢, 无须热处理 (HRC37~41), 硬度分布均匀; 镜面加工性, 蚀花加工性, 放电加工性优良; 焊接, 放电加工时硬度稳定, 易于后加工。

No heat treatment is necessary. (37~41HRC). Uniform hardness distribution. Excellent mirror polishability, crepe and EDM finishability. Good weldability with least hardness elevation.

用途 (Applications):

可用于对镜面性、蚀花性、放电加工性要求高的模具, 如办公用具、透明外壳等。

Mold requiring sensitive surface as mirror polish, creping, EDM. Such as transparent case, OA electronics etc.

物理特性 (Physical data):

温度 °C	100	200	300	400
热膨胀系数 $1/^\circ\text{C} \times 10^{-6}$	11.3	11.6	12.4	12.8

温度 °C	20	100	200	300	400
热传导系数 W/m·C	32.2	32.2	33.0	34.3	34.7

热处理 (Heat treatment):

预硬钢, 无需热处理。

Hardened. No heat treatment is necessary. (37~41HRC).



上海兆诺金属制品有限公司: <http://www.zhaonuo.com/cn> zhaonuo@gmail.com

上海公司: TEL: 021-67619004 57637562 FAX: 021-67619003 57636430

深圳公司: TEL: 0755-81445316 FAX: 0755-81445451

图例 (Pictures):

回火曲线图 (Tempering temperature--Hardness):

应用实例图 (Application plans):



注意: 本文档部分资料来自厂家, 若有疑问, 请与我司联系。

Notice: Some of the information in this file from the manufacturers, if in doubt, please contact our company.