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HPM38

类型:

精密超级镜面抛光塑料模具钢。

Type:

Grade for precise super mirror-polished plastic mold steel .

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
%	13Cr(含Mo),属SUS420J2改良型										

交货状态 (Delivered Condition) :

预硬钢: HRC29~33

Hardened: HRC29~33

特性 (Features):

极好的镜面抛光特性。

耐腐蚀性好于420, 无需进行镀铬处理。

热处理变形极小, 适用于制作精密模具。

出厂为预硬状态, 无需进行热处理。

Excellent mirror polishability.

Better corrosion-resistivity than 420, Chromium plating is not necessary.

Least heat treatment deformation, best fitted for precise mold.

No heat treatment is necessary.

用途 (Applications) :

HPM38是含钼13Cr系马氏体不锈钢, 预硬到29~33HRC, 经过电炉重新熔炼, 可进一步硬化到50~55HRC, 可用于制作耐腐蚀和超级抛光镜面塑胶模具, 如透明产品 (晶体, 化妆品盒等)、阻燃性树脂制品 (家电产品、办公用具、通讯产品等)、食品容器、医疗器械等。

HPM38 is Mo contained 13Cr martensitic stainless steel prehardened to 29~33HRC, manufactured by consumable electrode remelting method, further hardenable to 50~55HRC. It is fitted for molds which require corrosion resistance and superb mirror polishability. Such as transparent items(Lense, container for cosmetics, etc), Flame retardant resin products(Home electronics, OA equipment, Communication products etc), Food container, Medical instruments, etc.

物理特性 (Physical data) :

温度 °C	100	200	300	400
热膨胀系数 $1/^\circ\text{C} \times 10^{-6}$	11.5	11.9	12.3	12.5

温度 °C	20	100	200	300	400
热传导系数 W/m·C	25.1	—	27.2	—	27.6



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热处理 (Heat treatment):

预硬钢, 无需热处理。

Hardened. No heat treatment is necessary. (29~33HRC) .

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.