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CENA1

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
%	专利钢: Patented Steel										

交货状态 (Delivered Condition):

预硬钢: HRC37~42

Hardened: HRC37~42

特性 (Features):

属于预硬钢, 无须热处理 (HRC37~42), 硬度分布均匀; 不易生锈, 抗气体腐蚀, 降低维护成本; 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; 熔接性优良, 不易产生因镜面、放电或蚀花加工引起的熔接性硬化; 氮化硬化性能优良, 可在需耐磨场合下用。

No heat treatment is necessary. (37~42HRC). Uniform hardness distribution. Higher rust resistivity compared with P21 type grade. Excellent machinability makes machined surface better. Excellent mirror polishability, crepe and EDM finishability. Good weldability with least hardness elevation. Good nitriding hardenability and can be used for wear resisting application.

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、各种树脂产品等。

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

物理特性 (Physical data):

温度 °C	100	200	300	400
热膨胀系数 $1/^\circ\text{C} \times 10^{-6}$	11.0	11.4	12.0	12.5

温度 °C	20	100	200	300
热传导系数 $\text{W}/(\text{m}\cdot\text{K})$	28.1	28.3	28.8	30.1

热处理 (Heat treatment):

预硬钢, 无需热处理。

Hardened. No heat treatment is necessary. (37~42HRC).



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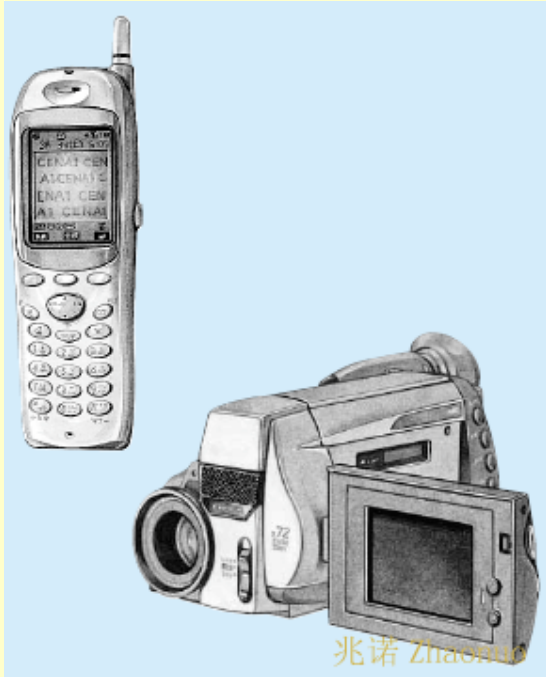
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图例 (Pictures):

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.