



**销售部:**

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## EX2 VICTORY ESR

### 电渣重熔 Electro-slag-remelting (ESR)

#### 主要特性:

- 材质均匀、优越的切削加工性和抛光性
- 高韧性及高塑性
- 高低温下的高耐磨性
- 出色的整体硬化性
- 良好的高温强度及耐热疲劳性
- 热处理时极低的变形性
- 与传统钢材相比具有更好的等向性
- 相比1.2344 VICTORY ESR韧性更好

#### 主要应用:

**模具:**

- 压铸模 (模仁, 固定件, 型芯, 喷嘴, 氮化顶针, 氮化套筒)
- 挤压模 (模仁, 支撑件, 衬套, 阻流块)
- 热压模具 (铝, 镁, 铜合金)
- 塑料模具 (注塑模具)
- 部件, 如冷剪边、飞边、热剪、预紧环、耐磨部件。

#### 化学成分: %

C	Si	Mn	Cr	Mo	V
~ 0.38	≤ 0.50	~0.30	~ 5.00	~ 1.70	~ 0.45

#### 物理性能:

热膨胀系数 [10 <sup>-6</sup> m/(m x K)]	20-100 °C	20-200 °C	20-300 °C	20-400 °C	20-500 °C	20-600 °C	20-700 °C
	11.9	12.4	12.6	12.7	13.0	13.1	13.4
热传导性 [W/(m x K)]	20° C		350° C		700° C		
	29.6		31.0		33.0		



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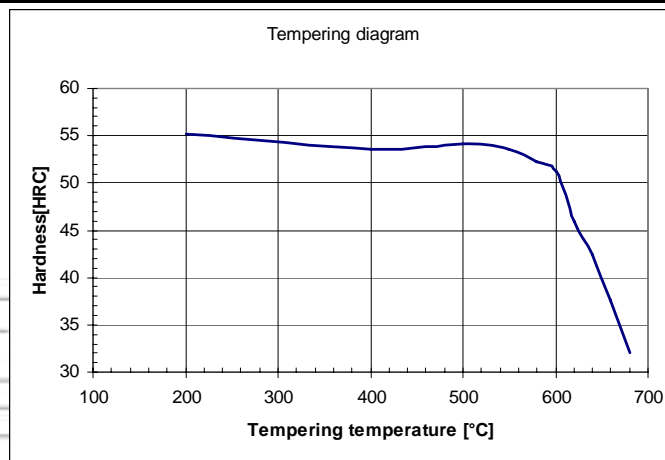
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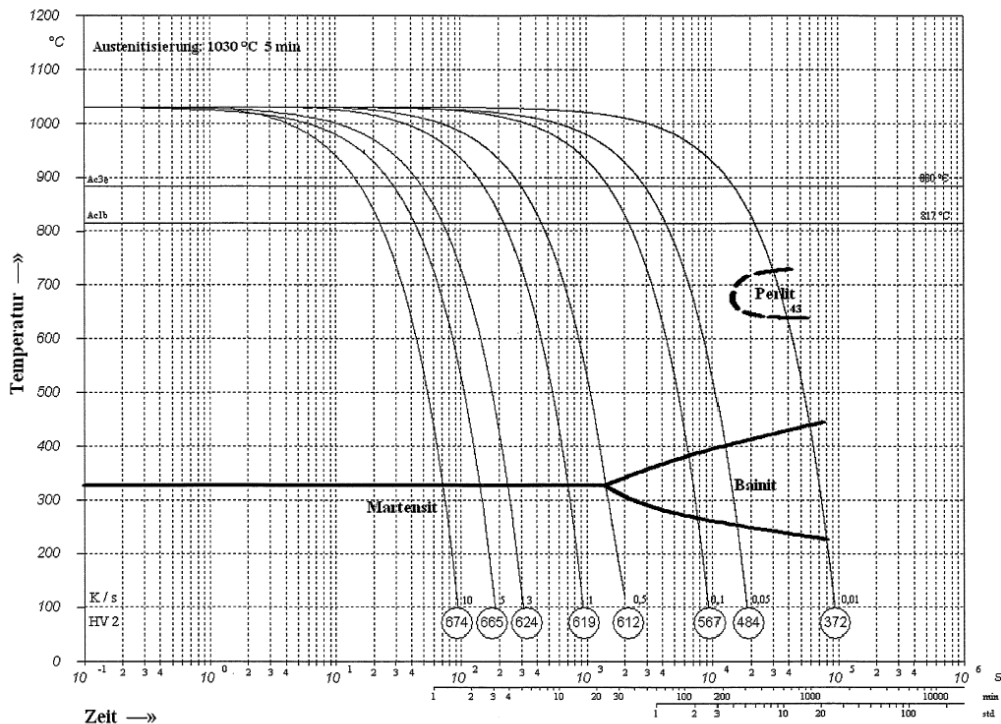
热处理:

锻造	软性退火	淬硬	回火
1050 - 850°C	820 - 850°C	1000 - 1040°C	530 - 680°C

回火图:



CCT图:



资料中的叙述和数据为典型例子，我们对此不做担保。对材料，品质和/或性能上的改良，我们保留最终解释权。

深圳市港峰五金制品有限公司

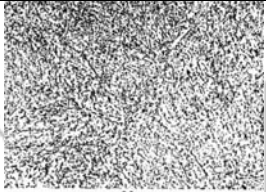
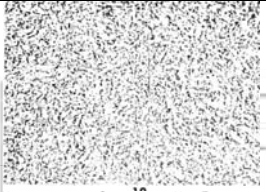
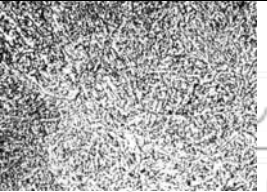
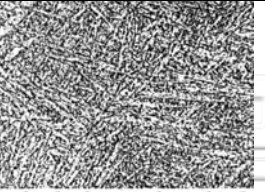
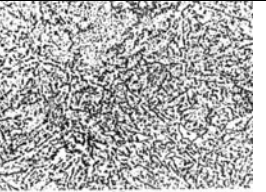

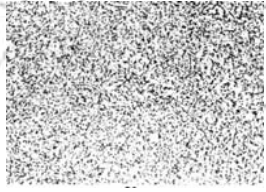

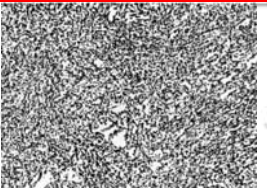
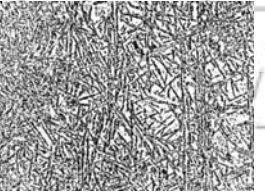

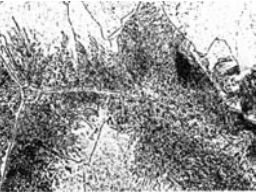

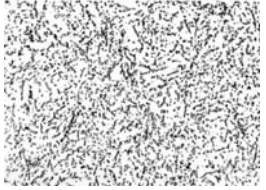


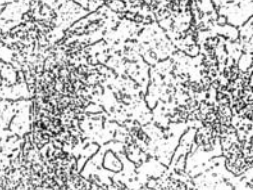

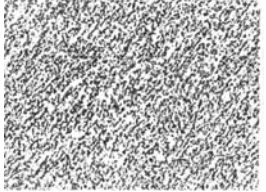



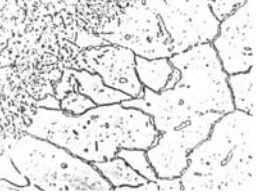



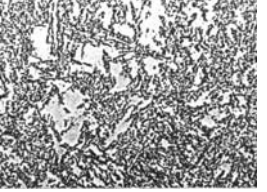



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退火热作模具钢显微组织对照图

	GA	GB	GC	GD	GE	GF
1	 GA1	 GB1	 GC1	 GD1	 GE1	 GF1
2	 GA2	 GB2	 GC2	 GD2	 GE2	 GF2
3	 GA3	 GB3	 GC3	 GD3	 GE3	 GF3
4	 GA4	 GB4	 GC4	 GD4	 GE4	 GF4
5	 GA5	 GB5	 GC5	 GD5	 GE5	 GF5
	— EFS 退火 / EFS annealed		— ESU至 400 mm / ESR up to 400 mm		- - - ESU 至 250 mm / ESR up to 250 mm	