



FS860

高韧性高抛光塑料模具钢 Plastic mould steel with high toughness and high polishability

◆ 产品特性 Product characteristics

预硬化状态交货。高冲击韧性和机加工性能，具有良好的抛光性能、皮纹蚀刻性能和焊接性能。

Delivered in pre-hardened condition. High impact toughness and machinability, good polishability, texture etching performance and weldability.

◆ 主要应用 Main application

用于汽车车灯家用电器等大型注塑模具，以及瓶坯、热流道用模具。

Large injection moulds for automobile lamps and household appliances etc., as well as preformed moulds and hot runner moulds.

◆ 抛光等级 Polishability : 6000#-8000#

◆ 化学成分 Chemical composition (wt%)

元素 Element	C	Si	Mn	Cr	Ni	Mo	其它添加 Other addition
含量 Content	0.10	0.30	2.50	3.00	1.00	0.30	-

◆ 冶炼方法 Melting method

真空精炼或电渣重熔，或满足用户需要的其它冶炼方法。

Vacuum refining or electroslag remelting, or other melting methods that can meet customer requirements.

◆ 生产规格 Dimensions

锻制扁钢 Forged flat steel: 100~500mm × 400~1200mm

轧制扁钢 Rolled flat steel: 10~90mm × 60~305mm

圆钢 Round steel: Φ10~500mm

◆ 纯净度 Purity

A (细) Fine	A (粗) Thick	B (细) Fine	B (粗) Thick	C (细) Fine	C (粗) Thick	D (细) Fine	D (粗) Thick
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

◆ 物理性能 Physical parameters

温度 Temperature / °C	20-100	20-200	20-300	20-400	20-500
线膨胀系数 Coefficient of linear expansion / °C ⁻¹ × 10 ⁻⁶	10.0	11.9	12.6	13.7	13.9

◆ 交货状态：预硬状态交货，硬度37~43HRC，或满足用户需求。

Delivery condition: pre-hardened condition, hardness 37~43HRC, or according to customer requirement.

◆ 力学性能 Mechanical property

