

FS136 通用型耐蚀塑料模具钢 General-purpose corrosion-resistant plastic mould steel

◆ 产品特性 Product characteristics

马氏体类型不锈钢，机械加工性能良好，具有高的强度、耐磨性和热处理尺寸稳定性，优良的耐腐蚀性能、抛光性能。

Martensitic stainless steel, with good machinability, high strength, wear resistance and dimensional stability after heat treatment, excellent corrosion resistance and polishability.

◆ 主要应用 Main application



适宜制造有腐蚀性的PVC、醋酸盐类等塑料模具；光学产品，如照相机、太阳眼镜镜片；医疗器械，如注射器和分析药瓶等。

Suitable for plastic moulds for corrosive PVC and acetate etc.; moulds for optical products, such as cameras and sunglasses lenses; moulds for medical instruments, such as injectors and analytical vials and so on.

◆ 抛光等级 Polishability : 8000#-10000#

◆ 化学成分 Chemical composition (wt%)

元素 Element	C	Si	Mn	Cr	Ni	V
含量 Content	0.40	1.00	0.40	13.30	0.23	0.30

◆ 冶炼方法 Melting method

电渣重熔，或满足用户需要的其它冶炼方法。

Electroslag remelting, or other melting methods that can meet customer requirements.

◆ 生产规格 Dimensions

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

锻制扁钢 Forged flat steel: 100~600mm × 300~1200mm

圆钢 Round steel: Φ10 ~ Φ400mm

◆ 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

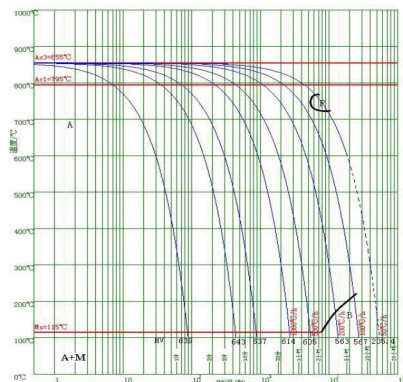
◆ 物理参数 Physical parameters

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	10.5	11.0	11.3	11.5	12.0
热导率 Thermal conductivity λ /W · (m · K) ⁻¹	19.8	20	22	24	28

◆ 交货状态: 退火状态交货，退火硬度 ≤235HBW，或满足用户需求。

Delivery condition: Annealed condition, annealed hardness ≤235HBW, or according to customer requirements.

◆ CCT曲线 CCT curve



◆ 回火性能 Tempering performance

