



HS 2311

LARGE SECTION NON-QUENCHED-AND-TEMPERED PLASTIC MOLD STEEL

Introduction

As modified 2311 plastic mold steel, through special composition design and heat treatment process after forging, HS 2311 achieves the traditional pre-hardening effect. The steel has good hardenability and hardness uniformity.

Chemical properties

Steel Grade	C	Si	Mn	P	S	Cr	Mo	Nb
HS 2311	0.29-0.32	0.20-0.30	1.85-2.00	≤0.020	≤0.010	1.35-1.50	0.18-0.23	0.02-0.04

Application

- Plastic molds and mold bases;
- Die casting mold bases

Features

- Uniform hardness
- Good polishing performance
- Good machining performance
- Good toughness
- Hardness 28-42HRC