



## HS 2738

### SUPER-LARGE CROSS-SECTION PRE-HARDENED PLASTIC DIE STEEL

#### Introduction

HS 2738 is modified pre-hardened mirror plastic mold steel. Key technologies of alloy composition optimization and organization control ensure that the module has high hardness uniformity, excellent polishing performance and processing performance at the largest cross-sectional size. It is a new generation of super-large cross-section pre-hardened plastic mold steel.

#### Chemical properties

Steel Grade	C	Si	Mn	P	S	Cr	Ni	Mo
HS 2738	0.30~0.40	0.20~0.50	1.00~1.50	≤0.010	≤0.030	1.50~2.00	0.80~1.20	0.25~0.40

#### Application

- Plastic molds of compression and injection.
- Dies of Car bumpers, dashboards, TV cabinets, washing machine drums, etc.

#### Features

- Good welding performance of hardened modules.
- Good polishing property (high hardness uniformity, section hardness fluctuation ≤ 3HRC).
- Excellent processing performance.
- Max. thickness reaches 1200mm and the finished module weighs 35MT.
- Application hardness: 32~38HRC.