

## Steel material specification and application.

Manufacturer	Material Grade	Delivery Hardness	Typical Analysis at Major Chemical Content									Characteristics	Application
			C	Si	Cr	Ni	Mn	Mo	V	W			
ASSAB	IMPAX 718S(P20)	Prehardening to HB 290-330	0.38	0.3	2.0	1.0	1.4	0.2	-	-	Good for Prehardening.	Suitable for PA, POM, PS, PE, PP, ABS plastic mold.	
	IMPAX 718H(P20)	Prehardening to HB 330-370											
	STAVAX S136(420)	About HB 215	0.38	0.8	13.6	-	0.5	-	0.3	-	Have good polishing and corrosion resistant performance.		
	STAVAX S136H(420)	Prehardening to HB290-330											
DAIDO	NAK80 (P21)	Hardness up to HRC 370-400	0									High hardness , good Polishing and good processability.	Galvanic corrosion mold, polishing mold.
	S-Star(PAK90)	Prehardening to HB 300-330	0.38	0.9	13.5	-	0.1	0.3	-	-	Anti-corrosion, wear-resisting and high mirror character.	Precision plastic mold, high mirror mold.	
LKM SPECIAL STEEL	LKM 738(P20)	Prehardening to HB 290-330	0.37	-	2.0	1.0	1.1	0.4	-	-	Good for Prehardening and good processability.	High tenacity mold and high polished mold.	
	LKM 738H(P20)	Prehardening toHB 330-370											
ALCOA	6061-T6/651/6511	About HB 95										High acid corrosion aluminium alloy, good jointing characteristic and electroplate performance.	Suck mold, blow mold, compression mold.
	7075-T651	About HB 150										High strength, high hardness aluminium alloy.	Plastic test mold, rapid tool.
Baosteel	S50C-S55C	Prehardening to 170-220	0.5	0.35	-	-	0.8	-	-	-	Good cutability and processability.	Plastic test mold, rapid tool.	