

PRODUCT SPECIFICATIONS OF PLASIC MOULD STEEL

AISI/ ASTM	MATERIAL			CHEMISTRY									HEAT TREATMENT DETAILS					
	EN	DIN	JIS	C	SI	Mn	Ni	S	Cr	W	Mo	V	Annealing (Slow Cooling)	Quenchant (Hot Bath)	Quenching	Tempering (Air Cooling)	Annealed (HB) - Max	Quenched (Hrc) Tempered
P20	40CrMnMo7	1.2311		0.4	0.3	1.5		0.002	1.9		0.2		720-750	OIL/AIR	850-880	600-680	240	300
P20+Ni	40CrMnNiMo864	1.2738		0.4	0.3	1.5	1.1	0.002	2		0.2		720-740	OIL/AIR	850-880	710-740	240	300
P29+S	40CrMnMoS86	1.2312		0.4	0.3	1.5		0.07	1.9		0.2		740-760	OIL/AIR	840-870	600-680	240	300
	36CrMo17	1.2316	SUS420J	0.36	0.4	0.65	1	0.002	16		1.2		780-820	OIL	1000-1040	600-700	235	300
420	42Cr13	1.2083	SUS420F	0.42	0.4	0.45		0.002	14		0.6		840-870	OIL	1000-1050	250-570	200	53HRC