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Nazwa gatunku: 1.2085/X33CrS16

Nazwa: MARTENSITIC STAINLESS STEEL RESISTANT TO CORROSION

APPLICATION

Steel susceptible to dies bases and components that have to resist to aggressive plastic. Parts of machinery in food, machine, automotive industries and plastic industry etc.

CHEMICAL COMPOSITION:

C	Si	Mn	P	S	Cr	Mo	W	V	Co	Ni
0,28-0,38	Max 1,00	Max 1,40	Max 0,030	0,050-1,00	15,00-17,00	-	-	-	-	Max 1,00

MECHANICAL PROPERTIES:

Hardness after	Tempering °C	Symbol	Value
Soft annealing	-	HB	≤230
Quenching	-	HRC	48
Tempering	100	HRC	48
	200	HRC	48
	300	HRC	47
	400	HRC	46
	500	HRC	47

Technological treatment processes:

Technological treatment processes	Possible application	Temperature, °C
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Hot forming	Forging		+	1100-800
	Rolling		+	-
Treatment	Heat treatment	Quenching	+	1000-1050
		Tempering	+	-
	Precipitation strengthening	Supersaturation	-	-
		Ageing	-	-
	Annealing	Soft annealing	+	850-880
		Stress relieving	+	600-700
Thermochemical treatment	Nitriding		+	-
	Other		-	-