mauri	**42CrMoS4** Special alloy steel	**(W.NR. 1.7227)**

CHEMICAL COMPOSITION: (analysis according to the EN 10277-5 standard)

	C %	Si %	Mn %	P %	S %	Cr %	Mo %
FROM	0,38	-	0,60	-	0,020	0,90	0,15
TO	0,45	0,40	0,90	0,025	0,040	1,20	0,30

* MECHANICAL FEATURES: (according to the EN 10277-5 standard)

Thickness mm	annealed + cold drawn (+A+C) hardness HB maximum values
≥5≤10	300
>10≤16	290
>16≤40	285
>40≤63	280
>63≤100	280

* Delivery condition: soft annealed.

PROPERTIES :

Weldability:

Bad weldability due to the high crack danger.

Hardenability:

Medium-good hardenability, suitable for hot purposes till a temperature of 500°.
It can be hardened in oil.

Notes :

CORRESPONDENCE WITH OTHER STANDARDS (purely as an indication) :

UNI 7845	DIN 17200	ISO 683-1	AFNOR 35-552	AISI-SAE
42CrMo4	42CrMoS4	42CrMoS4	42CD4u	4140