mauri	**C15** Non-alloy steel for general purposes	**(W. NR. 1.0401)**

CHEMICAL COMPOSITION: (heat analysis according to the EN 10277-2 standard)

	C %	Si %	Mn %	P %	S %
FROM	0,12	-	0,30	-	-
TO	0,18	0,40	0,80	0,045	0,045

*MECHANICAL FEATURES: (according to the EN 10277-2 standard)

Thickness mm	Rolled + peeled rolled (+SH)		Cold drawn (+C)		
	hardness HB	Rm (MPa)	$Rp_{0,2}$ minimum values (MPa)	Rm (MPa)	A_5 % minimum values
≥5≤10			380	500 - 800	7
>10≤16			340	480 - 780	8
>16≤40	98 - 178	330 - 600	280	430 - 730	9
>40≤63	98 - 178	330 - 600	240	380 - 670	11
>63≤100	98 - 178	330 - 600	215	340 - 600	12

* Delivery condition: as rolled

PROPERTIES:

Weldability:

It is a soft carbon-steel, easily cold machinable and weldable without any particular precautions.

Improved machinability:

Upon request it can be supplied with improved machinability with Pb (lead) addition, for example Pb=0,15%÷0,35%

Notes:

CORRESPONDENCE WITH OTHER STANDARDS (purely as an indication):

UNI 7846	**DIN 17210**	**AFNOR 35-551**
C15	CK15	XC12