

Wr.Nr.	PN	EN	GOST	AISI
1.0601	60	C60	-	1060

CHEMICAL COMPOSITION

Chemical composition (in weight %)

Element	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
min	0.57	0.10	0.60	max.	max.	max.	max.	max.	max.
max	0.65	0.40	0.90	0.045	0.045	0.04	0.10	0.40	0.30

APPLICATION

Unalloyed structural steel for components in general machine building and vehicle construction, exposed to high loads and friction.

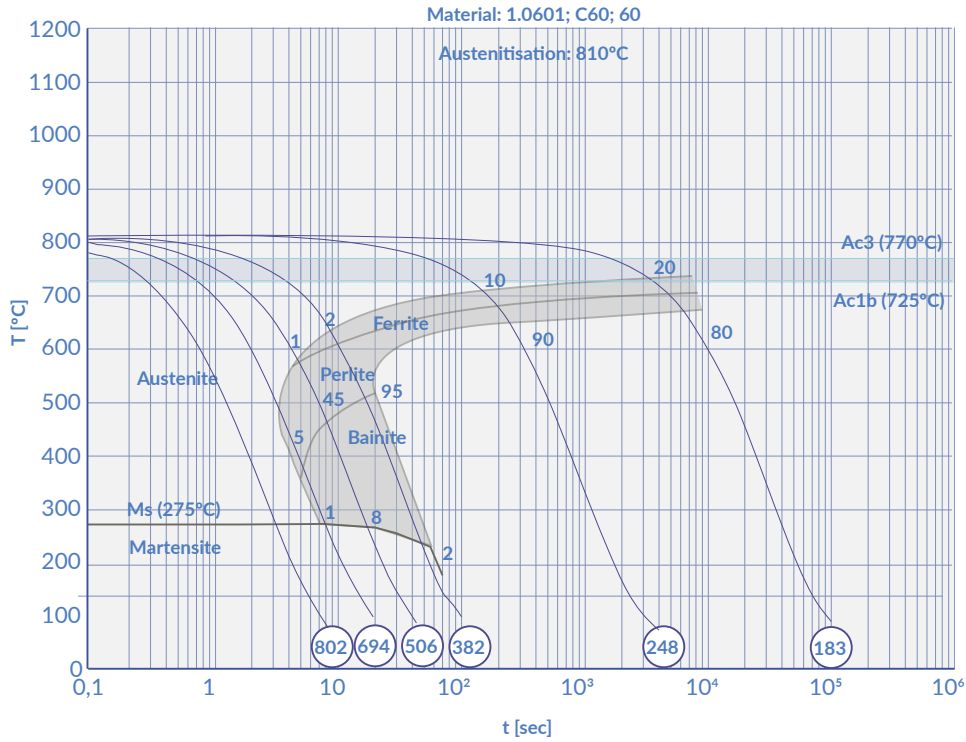
TREATMENT

Normalising	820 - 860 °C at least 30 min. austenitizing time (approx.)
Hardening	800 - 840 °C/ oil or water, at least 30 min. austenitizing time (approx.)
Tempering	550 - 660 °C min. 60 min. (approx.)
Soft annealing	710 °C

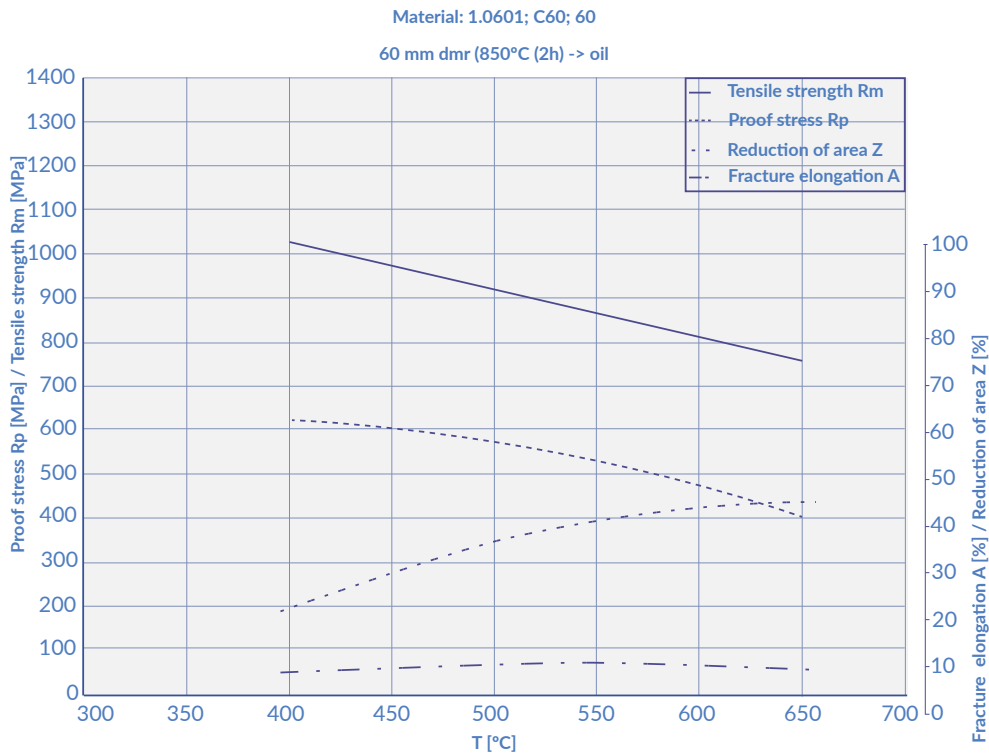
MECHANICAL PROPERTIES

Condition	Quenched and tempered (+QT)	Treated to improve shearability (+S)	Soft annealed (+A)
Hardness [HB]	Depend on thickness and diameter	max. 255	-

CONTINUOUS COOLING TRANSFORMATION (CCT) DIAGRAM



TEMPERING DIAGRAM



NOTE: All technical information is for reference only.