

65G/1.1260/66MN4



+48 801 00 31 31
akrostal@akrostal.pl

NAZWA GATUNKU: 65G/1.1260/66MN4

NAZWA: SPRING STEEL

NORM: GOST 14959-79

APPLICATION

Steel susceptible to steel for small cross-section springs and leaf springs, spring with low hardenability

SEMI-FINISHED PRODUCTS

Steel susceptible to small cross-section springs and leaf spring, valve springs, flat, coils and spring washers etc.

CHEMICAL COMPOSITION:

C	Si	Mn	P	S	Cr	Mo	Ni	B
0,62-0,70	0,17-0,37	0,90-1,2	-	-	Max. 0,25	-	-	-

MECHANICAL PROPERTIES:

	Unit	Value
Hardness after thermal treatment	HB	Max. 241
Quenching in oil	Temperature	830 °C
Tempering	Temperature	470 °C
Yield stress	R _e (R _{p0.2}), MPa	Min. 785
Ultimate tensile strength	R _m , MPa	Min. 980
Elongation	A, %	Min. 8
Reduction of area	Z, %	Min. 30
Impact energy	KV, J	-
Physical properties		
Property	Unit	Value
Density, ρ	g·cm ⁻³	7.85

TECHNOLOGICAL TREATMENT PROCESSES:

Technological treatment processes		Possible application	Temperature, °C
Hot forming	Forging	+	800 - 1180
	Rolling	+	850 - 1180
Heat treatment	Annealing	Normalising	810 - 830
		Soft annealing	640 - 680
	Heat treatment after carburising ¹⁾	Quenching	810 - 830
		Tempering	640 - 680