

Pearlitic Nodular Cast Iron Rolls

Pearlitic nodular rolls are obtained by adding alloy elements of Ni, Cr, Mo into the nodular cast iron and following special heat treatment. Pearlitic nodular rolls have high strength, good thermal properties and resistance to emergencies as well as small hardness gradient of working layer.

Chemical Element %:

Brand	C	Si	Mn	Cr	Ni	Mo	Mg
SGP 1	3.00-3.50	1.60-2.40	0.40-1.00	0.10-0.40	1.20-2.00	0.20-0.60	≥0.04
SGP 2	3.00-3.50	1.40-2.20	0.40-1.00	0.20-1.00	1.50-2.50	0.30-0.80	≥0.04
SGP 3	3.00-3.50	1.20-2.00	0.40-1.00	0.20-1.20	2.00-3.00	0.30-0.80	≥0.04

Properties and Application:

Brand	Barrel Hardness(HS)	Tensile Strength(Mpa)	Bending Strength(Mpa)	Application
SGP 1	40-55	≥350	800-1000	Large blooming mill, profiled bar continuous rolling, stick wire rough and moderate rolling
SGP 2	50-65	≥350	800-1000	
SGP 3	60-72	≥350	800-1000	

