

Alloy Nodular Cast Iron Rolls

These rolls are characterized by spherical graphite. Its mechanical properties are similar to that of alloy indefinite chilled rolls except that its strength is higher than the latter. They can be produced by static.

Chemical Element %

Brand	C	Si	Mn	Cr	Ni	Mo	Mg
SG 1	3.00-3.60	1.00-2.50	0.40-1.00	0.20-0.60	<0.30	0.20-0.60	≥0.04
SG 3	3.00-3.60	1.20-2.40	0.40-1.00	0.20-0.60	0.20-0.60	0.20-0.60	≥0.04
SG 4	3.00-3.60	1.20-2.40	0.40-1.00	0.20-0.60	0.50-1.00	0.20-0.60	≥0.04
SG 6	3.00-3.60	1.20-2.40	0.40-1.00	0.30-1.20	1.01-2.50	0.40-0.80	≥0.04
SGD 1	3.00-3.60	0.40-1.20	0.20-1.00	0.20-0.60		0.20-0.60	≥0.04
SGD 2	3.00-3.60	0.40-1.20	0.20-1.00	0.10-0.30		0.20-0.80	≥0.04

Properties and Application

Brand	Barrel Hardness(HS)	Tensile Strength(Mpa)	Bending Strength(Mpa)	Application
SG 1	40-55	≥300	500-700	Stick, wire, profiled bar cogging roll frame
SG 3	55-70	≥300	500-700	
SG 4	60-70	≥300	600-800	Stick wire, profiled bar moderate and finishing mill frame, narrow steel strip finishing mill frame
SG 6	62-70	≥320	600-800	
SHD 1	58-70	≥300	600-800	
SHD 2	58-70	≥300	600-800	

