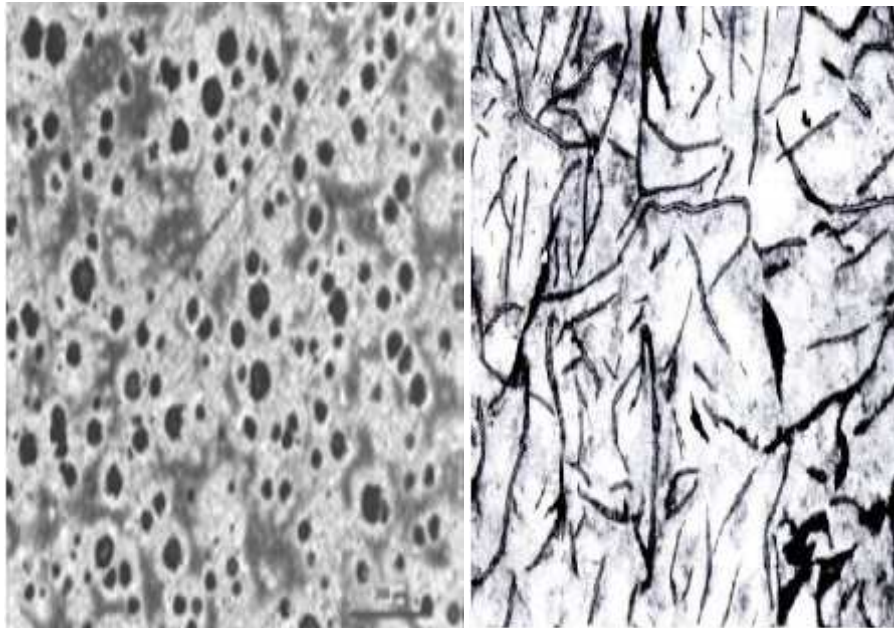


SPHEROIDAL GRAPHITE (SG) IRON ROLLS



What are SG Iron Rolls?

As shown in the above picture, a form of cast iron formed by considerably varying the structure of the material to increase overall strength. Cast iron when treated with Magnesium mixture leads to a blast which in turn creates the spheroidal shape (left side of picture) of the nodules as compared to lamellar nodules (right side of the picture) in cast iron.

Composition of the Shell (working layer)

Carbon	Nickel	Chrome	Sulphur	Moly
3.3 – 3.6	1.6 – 2.0 %	0.4 – 0.8 %	0.025 max	0.4% max
Acicular rolls				
3.3 – 3.6	2.7 – 3.1%	0.4 – 0.8%	0.025 max	0.3 – 0.7%

Properties

- High strength and toughness
- High wear resistance
- Resistance to fire cracks

Hardness: 50 – 65 sH, 65- 75 sH

Applications: Suitable for heavier passes and severe stress in the roughing and intermediate stands of structural mills. Acicular for finishing stands of bar and rod mills

OUR PRODUCTS

- Adamite Rolls
- Barrel Shafted Rolls
- DPIC Rolls (Spun cast)
- Enhanced Carbide DPIC
- Forged Iron Rolls
- ICCI Rolls
- SG Acicular Rolls
- SG Iron Rolls

OTHER PRODUCTS

- Bearing chokes
- Fly wheel
- Gear couplings
- Pinion gears
- Pulley
- Spindle
- Universal couplings
- Other mill accessories

OUR EDGE

- 50 + years of service
- CNC machining
- CNC grinding
- Consultancy services

Send in an enquiry for the quotes & metallic composition for our products or to receive the product catalogue.

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