

MATERIAL GRADES OF STATICALLY CAST ROLLS



- **Chemical composition material V120:**

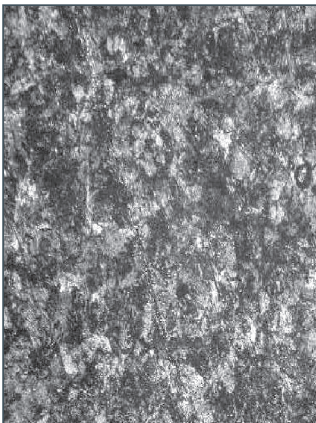
Chemical composition [%]								Barrel Hardness [HB]
C	Mn	Si	Pmax	Smax	Ni	Cr	Mo	
1,0-1,3	0,3-0,8	0,2-0,6	0,035	0,035	0,0-0,5	0,8-1,3	0,2-0,4	250-320

- **Mechanical properties of barrel material (min.):**

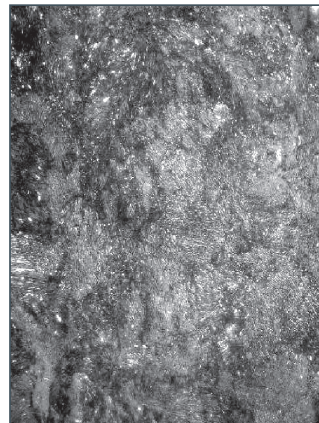
TENSILE STRENGTH [MPa]	650-850
BENDING STRENGTH [MPa]	1200-1600

- **Microstructure:**

100x



500x



- **Characteristic microstructure:**

Perlitic matrix with finely distributed carbides and free graphite.

- **Applications:**
roughing rolls

