

MATERIAL GRADES OF STATICALLY CAST ROLLS



- **Chemical composition material V75Mo (+V):**

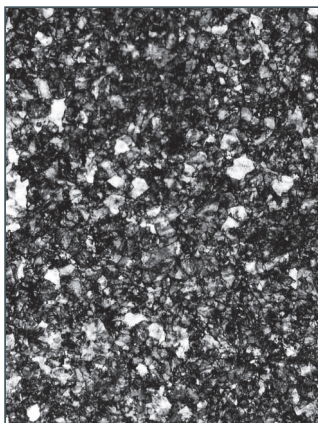
Chemical composition [%]									Barrel Hardness [HB]
C	Mn	Si	Pmax	Smax	Ni	Cr	Mo	V	
0,6-0,9	0,6-0,8	0,3-0,8	0,020	0,020	0,0-0,5	1,3-1,7	0,5-0,8	0,00-0,2	270-360

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

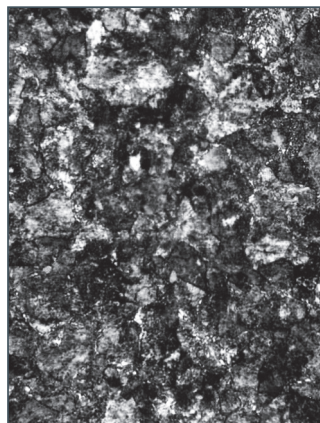
TENSILE STRENGTH [MPa]	850-1150
YIELD LIMIT [MPa]	550-950
BENDING STRENGTH [MPa]	1550-1950

- **Microstructure:**

100x



500x



- **Characteristic microstructure:**

Perlitic matrix with finely distributed carbides.

- **Applications:**
pilger rolls