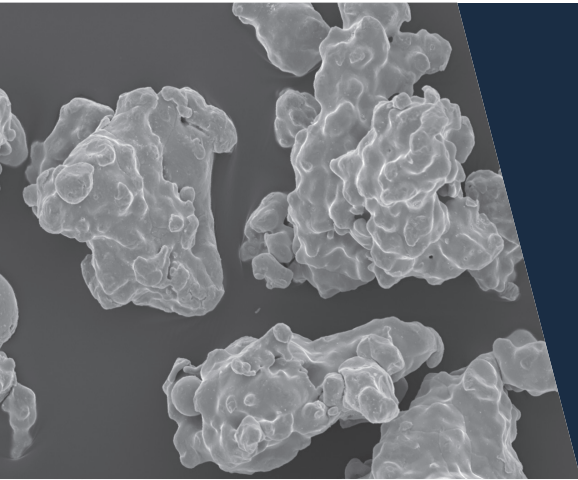# ANCORSTEEL 30HP

This is a water atomized, prealloyed, low alloy steel powder for high performance applications. The prealloyed 0.30 weight % molybdenum addition results in moderate hardenability, suitable for heat treated applications. This material conforms to MPIF standard 35 for FL - 390X.
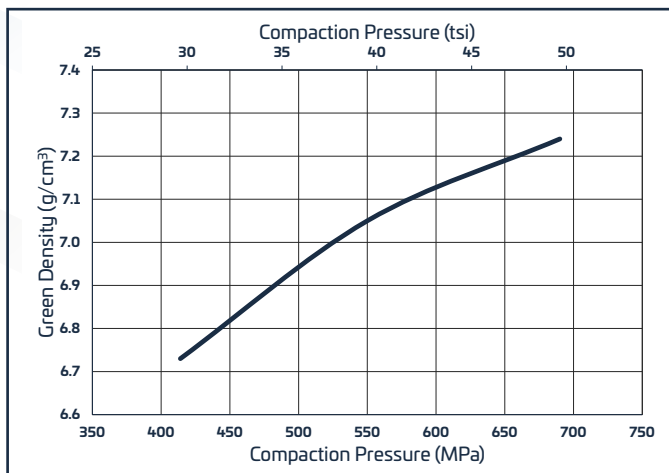
www.gknpm.com

Nominal Chemisty (weight %)

Iron	Manganese	Molybdenum
Bal.	0.15	0.30

Typical Particle Size (weight %)

Micrometers	+250	-250/+150	-150/+45	-45
U.S. Standard Mesh	(+60)	(-60/+100)	(-100/+325)	(-325)
	Trace	10	70	20

Green Density

(with 0.75 wt% EBS)

Green Strength

(with 0.75 wt% EBS)

GKN > HOEGANAES

ANCORSTEEL 30HP

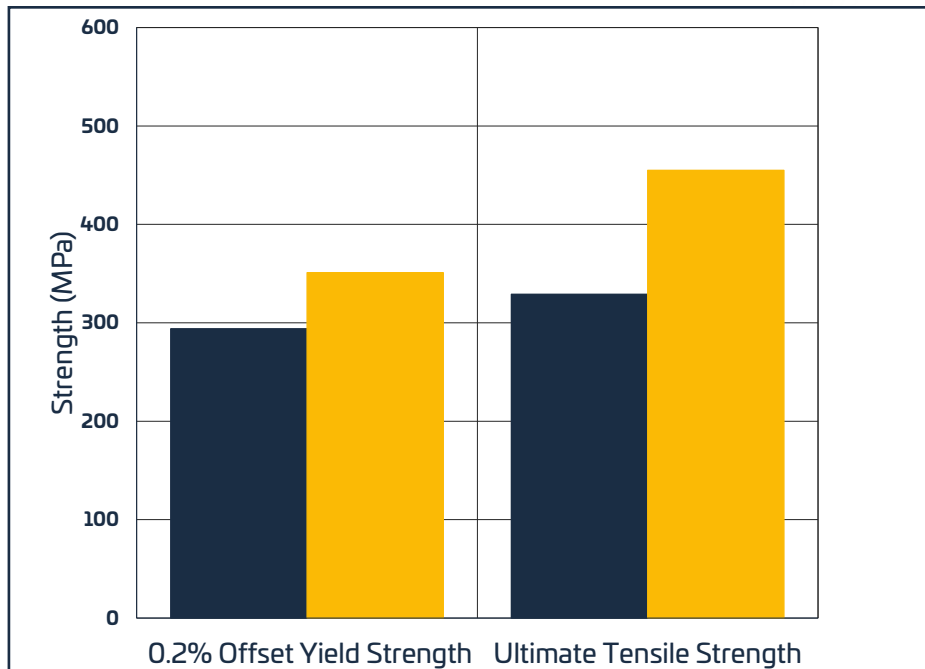## Transverse Rupture Strength Properties
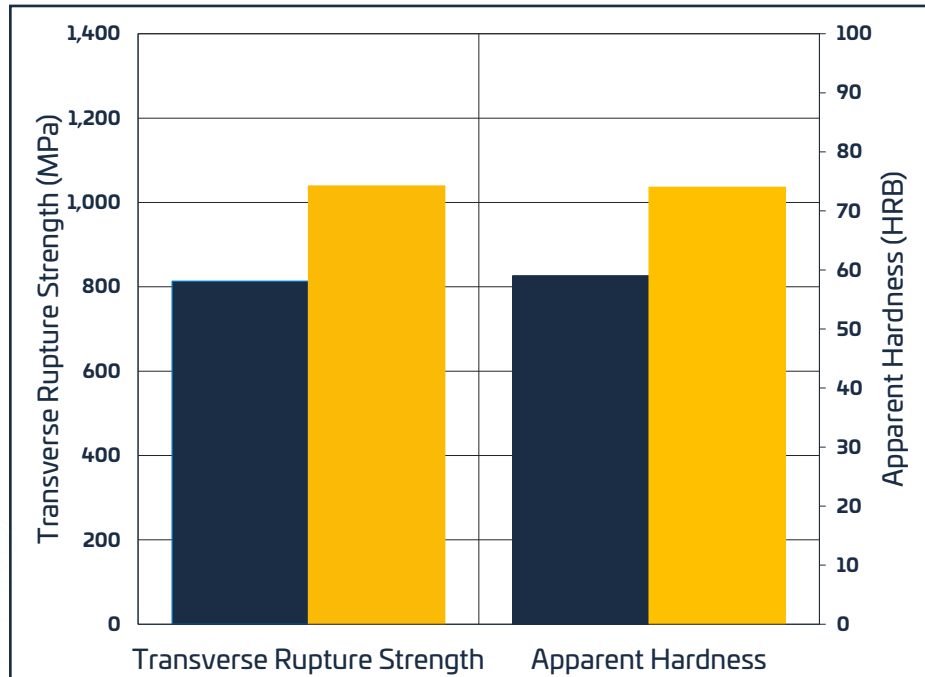
(with 0.6 wt% graphite + 0.75 wt% EBS)

- 30HP
- 30HP + 2% Nickel

Tensile Properties

(with 0.6 wt% graphite + 0.75 wt% EBS)

All test specimens were compacted to 7.0 g/cm³ and sintered at 1120 °C (2050 °F) in 90N$_2$-10H$_2$ atmosphere with conventional cooling.

GKN HOEGANAES