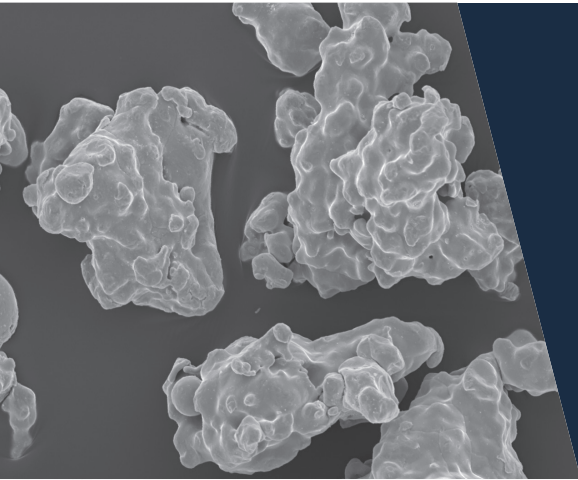


# ANCORSTEEL 737 SH



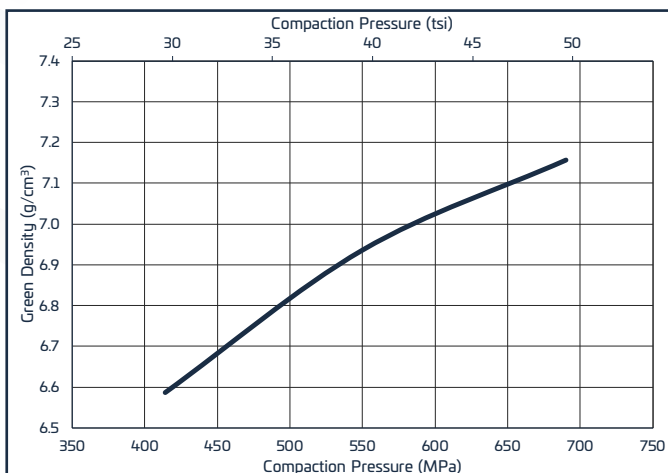
This is a water atomized, prealloyed steel powder specifically developed for sinter-hardening for a range of part sizes. The primary characteristics center on excellent hardenability in conjunction with good compressibility, particularly at higher compaction pressures. This unique combination of attributes differentiates its performance and optimizes both static and dynamic strength. This material conforms to MPIF standard 35 for FL-480X.

[www.gknpm.com](http://www.gknpm.com)

Nominal Chemistry (weight %)			
Iron	Manganese	Nickel	Molybdenum
Bal.	0.40	1.40	1.25

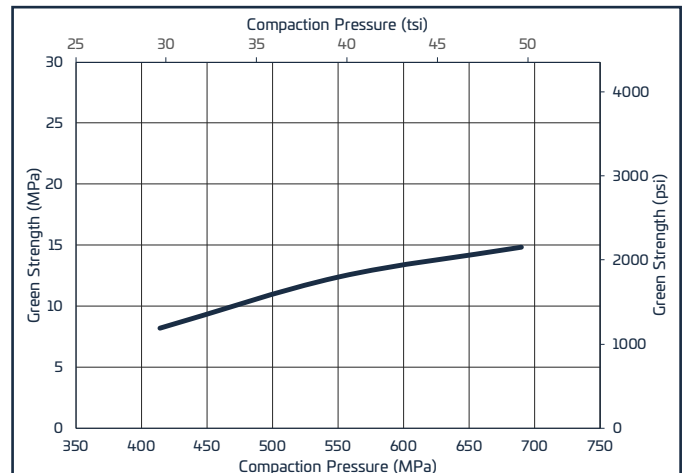
Typical Particle Size (weight %)				
Micrometers	+250	-250/+150	-150/+45	-45
U.S. Standard Mesh	(+60)	(-60/+100)	(-100/+325)	(-325)
	Trace	10	70	20

## Green Density



(with 0.75 wt% EBS)

## Green Strength



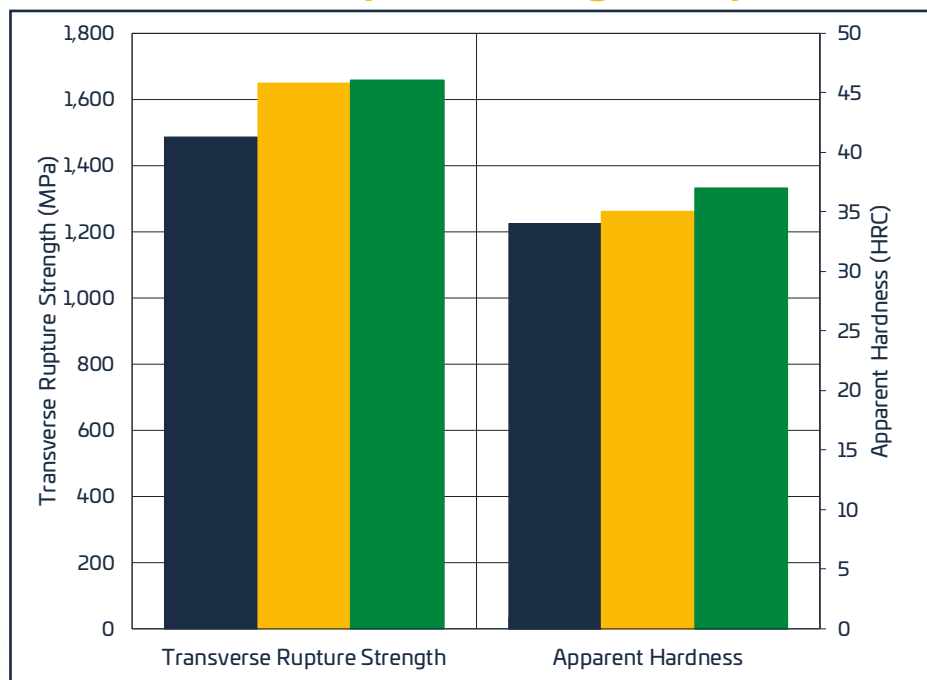
(with 0.75 wt% EBS)

© GKN Powder Metallurgy

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The product characteristics and performance data on this page represent standard products and depict their typical performance under controlled laboratory conditions. Actual performance will vary depending on the operating environment and application. GKN Powder Metallurgy reserves the right to revise its products and documents without notification. For product design to meet specific applications, dimensions, electrical and working points, please contact GKN Powder Metallurgy Marketing and Sales.

# ANCORSTEEL 737 SH

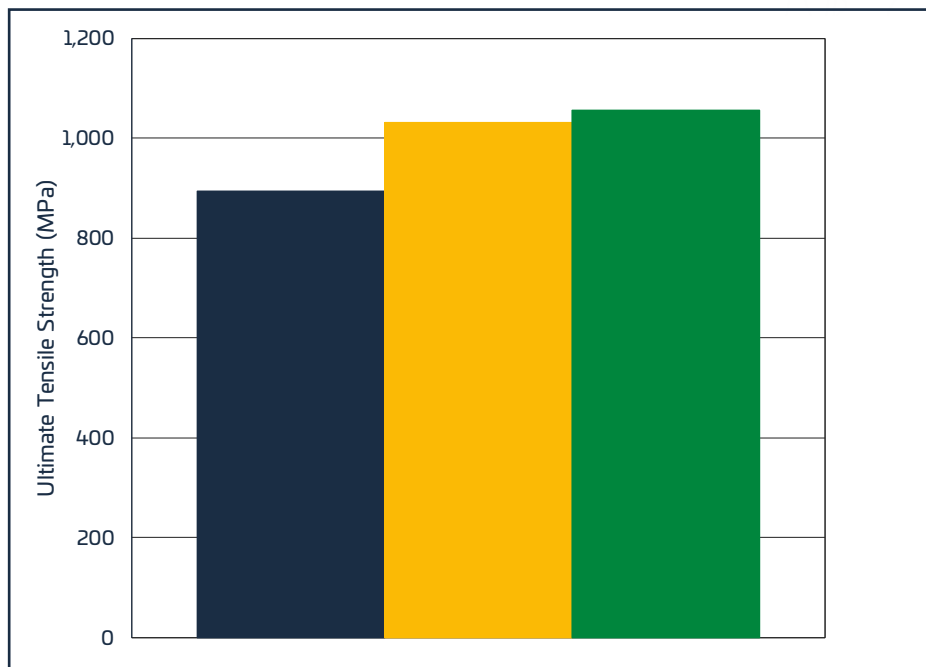
## Transverse Rupture Strength Properties



(with 0.75 wt% EBS)

- 737 SH + 0.7% Graphite
- 737 SH + 1% Copper + 0.7% Graphite
- 737 SH + 2% Copper + 0.9% Graphite

## Tensile Properties



(with 0.75 wt% EBS)

All test specimens were compacted to 7.0 g/cm<sup>3</sup> and sintered at 1120 °C (2050 °F) in 90N<sub>2</sub>-10H<sub>2</sub> atmosphere with accelerated cooling (~1.7 °C/s). Samples tempered at 200 °C for one hour.

© GKN Powder Metallurgy

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The product characteristics and performance data on this page represent standard products and depict their typical performance under controlled laboratory conditions. Actual performance will vary depending on the operating environment and application. GKN Powder Metallurgy reserves the right to revise its products and documents without notification. For product design to meet specific applications, dimensions, electrical and working points, please contact GKN Powder Metallurgy Marketing and Sales.