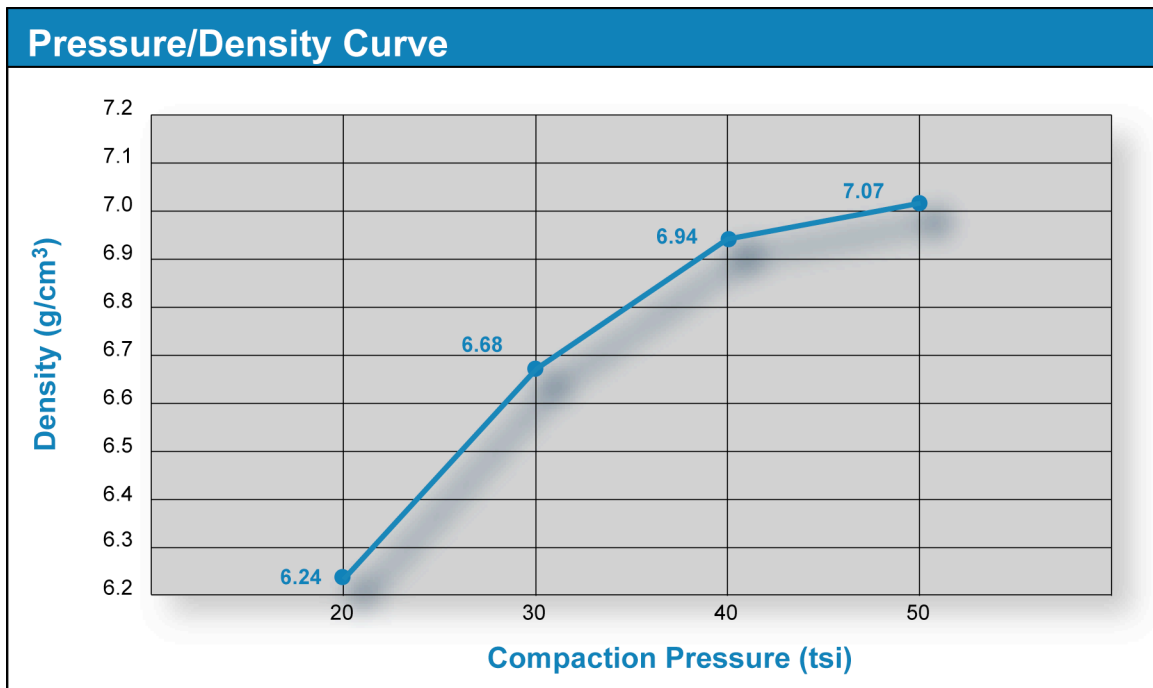


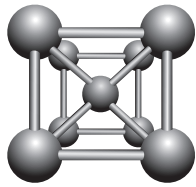
*The Rapid Response Premix Facility for the Powdered Metal Industry*

## ARC-3HG (F-0008) Remill Data Sheet

Remill blend that provides a higher green strength.

Typical Blend Chemistry (%)	
Chemistry	Typical
Iron	Balance
Carbon	0.80
Lubricant	0.74
Others	1.19





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## ARC-3HG (F-0008) Remill Data Sheet

Remill blend that provides a higher green strength.

Typical Blend Properties		
	ARC-3HG	Virgin Blend <sup>1</sup>
Hall Apparent Density (g/cm <sup>3</sup> )	3.04	2.87
Hall Flow Rate (seconds per 50g.)	32.4	33.7

Typical Compacted Properties		
	ARC-3HG	Virgin Blend <sup>1</sup>
Compacting Pressure to 6.8 g/cm <sup>3</sup> (tsi)	33.1	31.5
Green Strength at 6.8 g/cm <sup>3</sup> (psi)	1575	2165

Typical Sintered Properties <sup>2</sup>		
	ARC-3HG	Virgin Blend <sup>1</sup>
Dimensional Change (%)	0.24	0.28
Apparent Hardness (HRb)	64	56
Transverse Rupture Strength (psi)	94,500	79,300

1) A-1000B, 0.80% graphite, 0.75% EBS

2) Compacted to 6.8 g/cm<sup>3</sup> and sintered in 90%/10% N<sub>2</sub>/H<sub>2</sub>