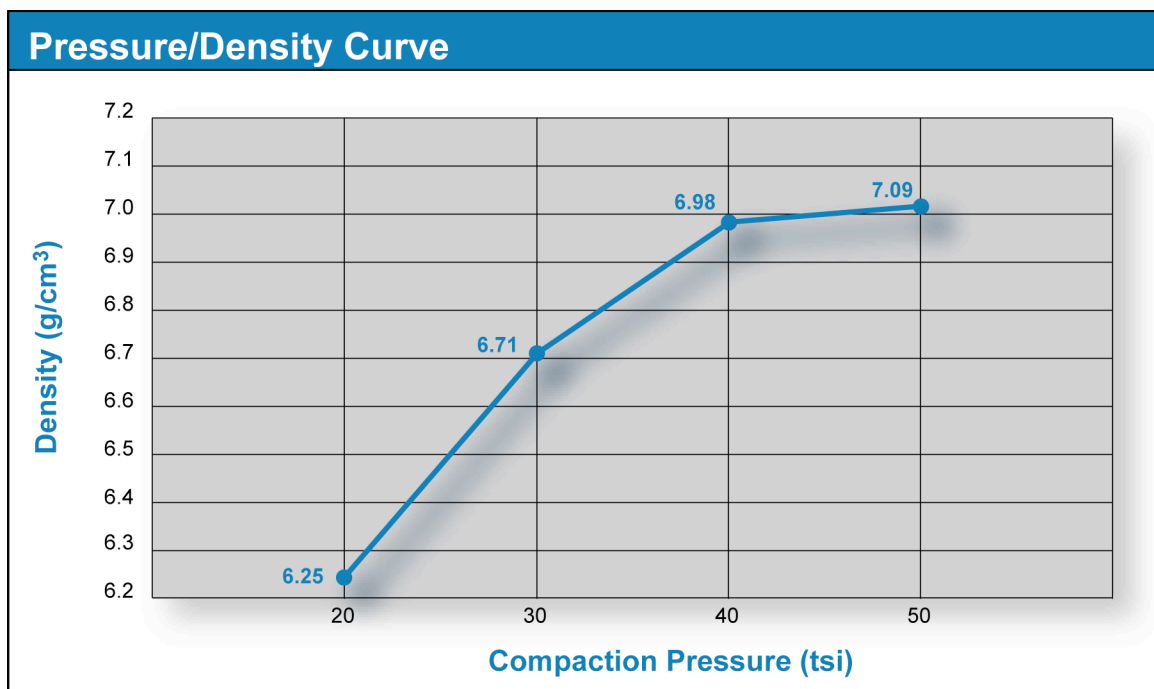
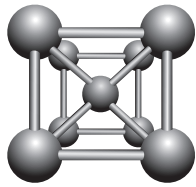


*The Rapid Response Premix Facility for the Powdered Metal Industry*

## ARC-42 Remill Data Sheet

Typical Blend Chemistry (%)	
Chemistry	Typical
Iron	Balance
Copper	2.25
Carbon	0.80
Lubricant	0.75
Others	1.07





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

## ARC-42 Remill Data Sheet

Typical Blend Properties		
	ARC-42	Virgin Blend <sup>1</sup>
Hall Apparent Density (g/cm <sup>3</sup> )	3.19	2.88
Hall Flow Rate (seconds per 50g.)	30.4	32.5

Typical Compacted Properties		
	ARC-42	Virgin Blend <sup>1</sup>
Compacting Pressure to 6.8 g/cm <sup>3</sup> (tsi)	32.3	31.5
Green Strength at 6.8 g/cm <sup>3</sup> (psi)	1255	2085

Typical Sintered Properties <sup>2</sup>		
	ARC-42	Virgin Blend <sup>1</sup>
Dimensional Change (%)	0.44	0.46
Apparent Hardness (HRb)	82	74
Transverse Rupture Strength (psi)	114,800	123,200

1) A-1000B, 2.00% Copper, 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>