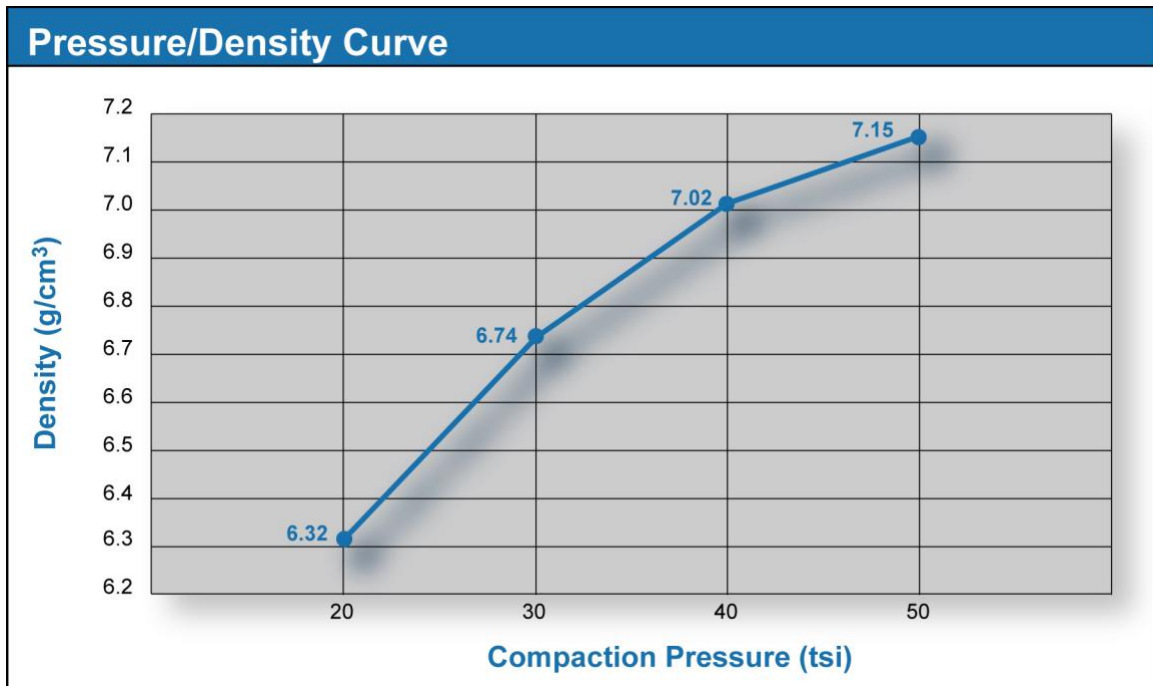
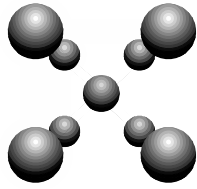


*The Rapid Response Premix Facility for the Powdered Metal Industry*

## ARC-8 Specialty Iron Data Sheet

Typical Blend Chemistry (%)	
Chemistry	Typical
Iron	Balance
Carbon	0.04
Lubricant	0.75





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## ARC-8 Specialty Iron Data Sheet

Typical Blend Properties		
	ARC-8	Virgin Blend <sup>1</sup>
Hall Apparent Density (g/cm <sup>3</sup> )	2.90	2.99
Hall Flow Rate (seconds per 50g.)	34.0	36.0

Typical Compacted Properties		
	ARC-8	Virgin Blend <sup>1</sup>
Compacting Pressure to 6.8 g/cm <sup>3</sup> (tsi)	31.2	31.2
Green Strength at 6.8 g/cm <sup>3</sup> (psi)	2150	21.50

Typical Sintered Properties <sup>2</sup>		
	ARC-8	Virgin Blend <sup>1</sup>
Dimensional Change (%)	0.04	0.03
Apparent Hardness (HRb)	47	46
Transverse Rupture Strength (psi)	56,700	61,000

1) A-1000B, 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>