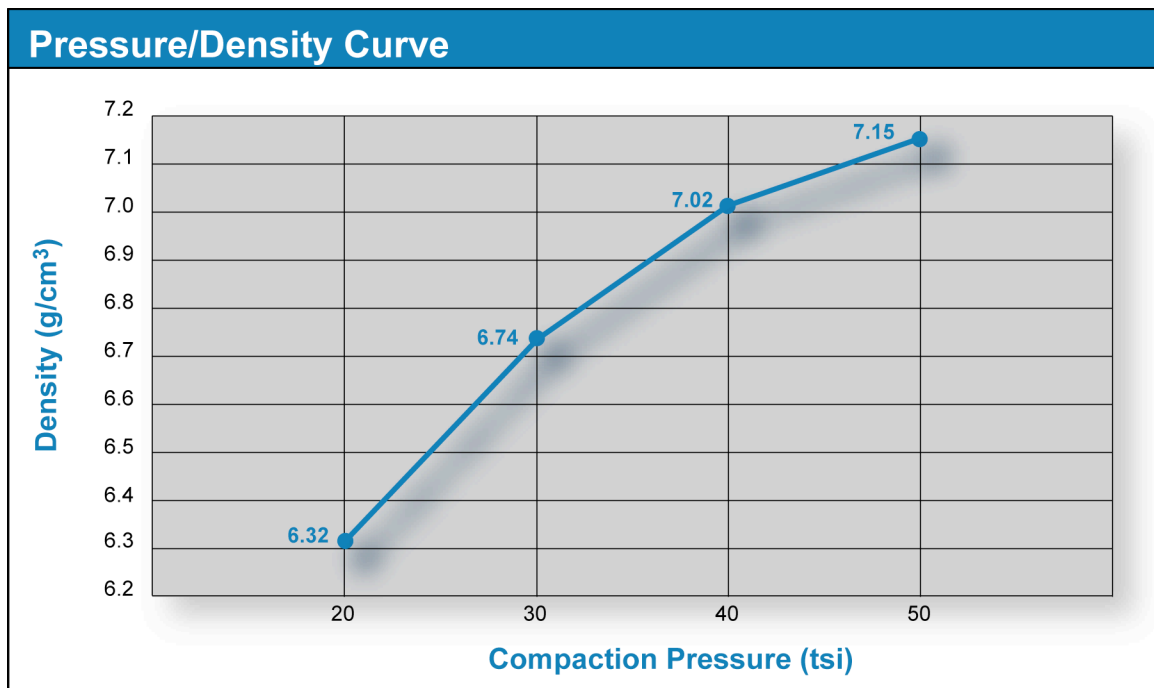
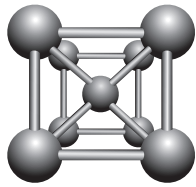


The Rapid Response Premix Facility for the Powdered Metal Industry

ARC-8 Specialty Iron Data Sheet

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





The Rapid Response Premix Facility for the Powdered Metal Industry

ARC-8 Specialty Iron Data Sheet

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

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

Typical Sintered Properties ²		
	ARC-8	Virgin Blend ¹
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/cm³ and sintered in 90%/10% N₂/H₂