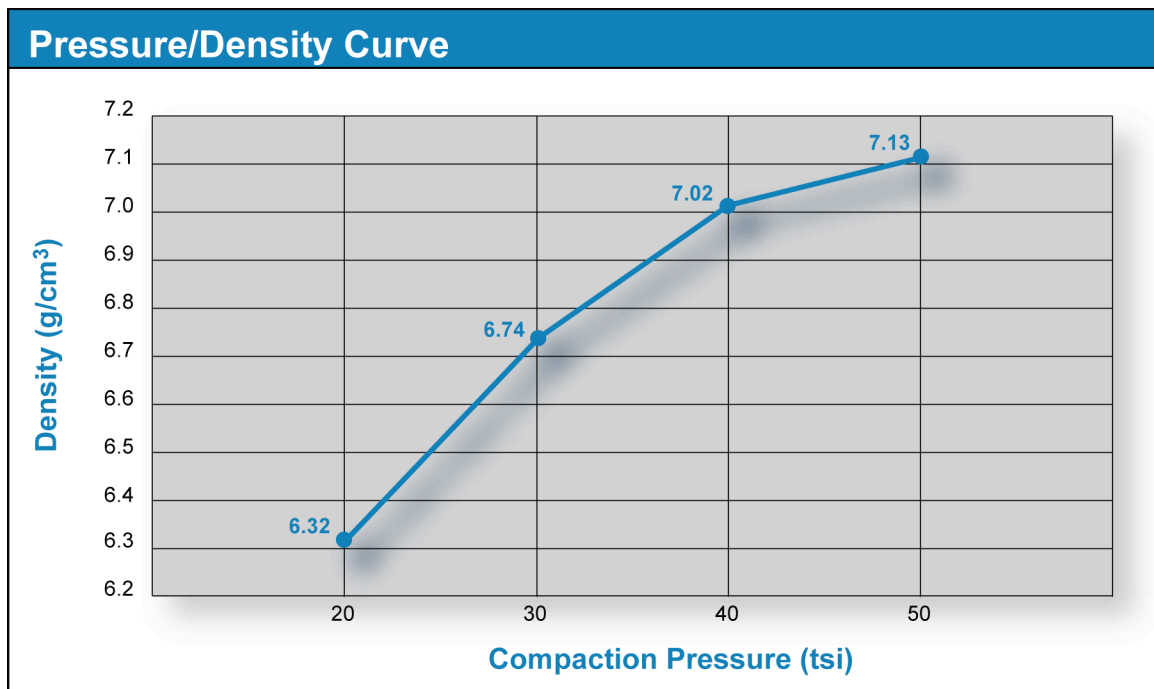
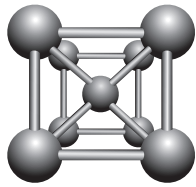


The Rapid Response Premix Facility for the Powdered Metal Industry

FC-0205Re Combination Iron Data Sheet

Typical Blend Chemistry (%)	
Chemistry	Typical
Iron	Balance
Copper	1.75
Carbon	0.50
Lubricant	0.74
Others	0.76





The Rapid Response Premix Facility for the Powdered Metal Industry

FC-0205Re Combination Iron Data Sheet

Typical Blend Properties		
	FC-0205Re	Virgin Blend ¹
Hall Apparent Density (g/cm ³)	3.11	3.10
Hall Flow Rate (seconds per 50g.)	31.2	30.6

Typical Compacted Properties		
	FC-0205Re	Virgin Blend ¹
Compacting Pressure to 6.8 g/cm ³ (tsi)	31.5	29.6
Green Strength at 6.8 g/cm ³ (psi)	1580	1830

Typical Sintered Properties ²		
	FC-0205Re	Virgin Blend ¹
Dimensional Change (%)	0.44	0.56
Apparent Hardness (HRb)	60	62
Transverse Rupture Strength (psi)	101,000	114,000

1) A-1000B, 0.60% graphite, 0.75% EBS

2) Compacted to 6.8 g/cm³ and sintered in 90%/10% N₂/H₂