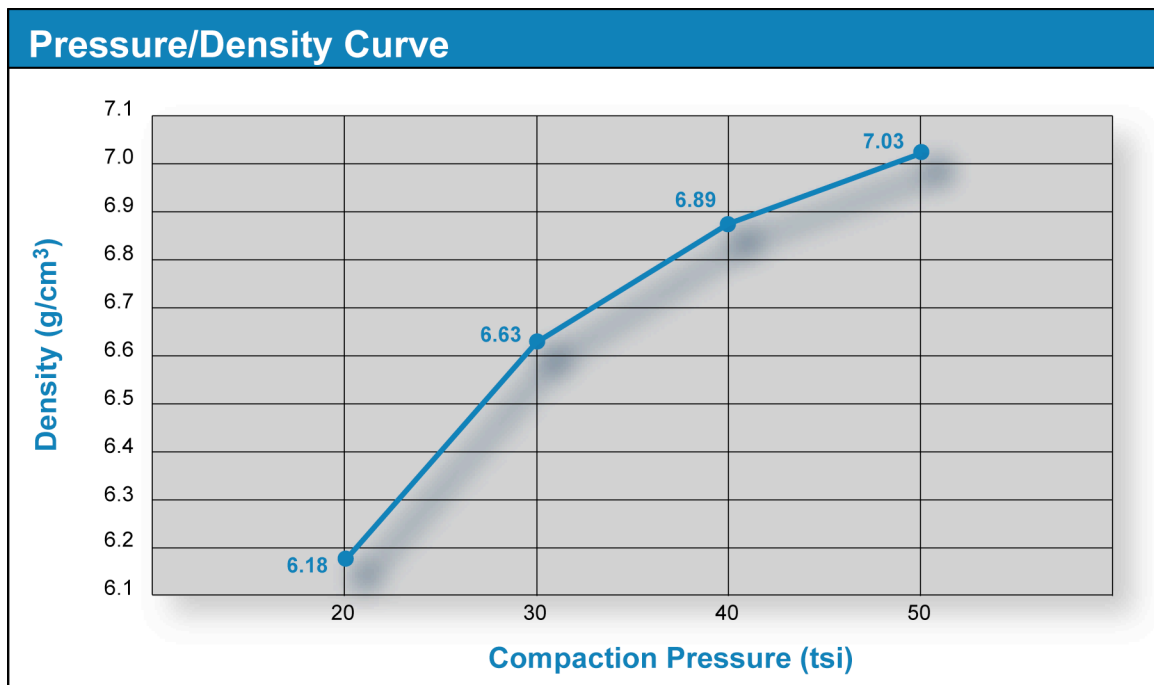


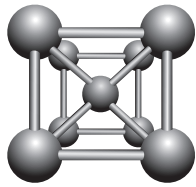
The Rapid Response Premix Facility for the Powdered Metal Industry

ARC-4HG (FC-0208) Remill Data Sheet

Remill blend that provides a higher green strength.

Typical Blend Chemistry (%)	
Chemistry	Typical
Iron	Balance
Copper	1.75
Carbon	0.80
Lubricant	0.75
Others	0.89





The Rapid Response Premix Facility for the Powdered Metal Industry

ARC-4HG (FC-0208) Remill Data Sheet

Remill blend that provides a higher green strength.

Typical Blend Properties		
	ARC-4HG	Virgin Blend ¹
Hall Apparent Density (g/cm ³)	3.04	2.88
Hall Flow Rate (seconds per 50g.)	32.0	32.5

Typical Compacted Properties		
	ARC-4HG	Virgin Blend ¹
Compacting Pressure to 6.8 g/cm ³ (tsi)	32.7	31.5
Green Strength at 6.8 g/cm ³ (psi)	1540	2085

Typical Sintered Properties ²		
	ARC-4HG	Virgin Blend ¹
Dimensional Change (%)	0.37	0.46
Apparent Hardness (HRb)	77	74
Transverse Rupture Strength (psi)	123,100	123,200

1) A-1000B, 2.00% Copper, 0.80% graphite, 0.75% EBS

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