

A216 WCA

CHEMICAL COMPOSITION

Carbon	0.25% Max
Manganese	0.70% Max
Silicon	0.60% Max
Phosphorus	0.035% Max
Sulfur	0.035% Max
Nickel	0.50% Max
Chromium	0.50% Max
Molybdenum	0.20% Max
Copper	0.30% Max
Vanadium	0.03% Max
Total of residual elements	1.00% Max

PHYSICAL PROPERTIES

Tensile Strength	60,000 – 85,000 PSI
Yield Strength	30,000 PSI Min
Elongation at 2in.	24.0% Min
Reduction of area	35.0% Min

A216 WCB

CHEMICAL COMPOSITION

Carbon	0.30% Max
Manganese	1.00% Max
Silicon	0.60% Max
Phosphorus	0.035% Max
Sulfur	0.35% Max
Nickel	0.50% Max
Chromium	0.50% Max
Molybdenum	0.20% Max
Copper	0.30% Max
Vanadium	0.03% Max
Total of residual elements	1.00% Max

PHYSICAL PROPERTIES

Tensile Strength	70,000 – 95,000 PSI
Yield Strength	36,000 PSI Min
Elongation at 2in.	22.0% Min
Reduction of area	35.0% Min

A216 WCC

CHEMICAL COMPOSITION

Carbon	0.25% Max
Manganese	1.20% Max
Silicon	0.60% Max
Phosphorus	0.035% Max
Sulfur	0.035% Max
Nickel	0.50% Max
Chromium	0.50% Max
Molybdenum	0.20%
Copper	0.30
Vanadium	0.03% Max
Total of residual elements	1.00% Max

PHYSICAL PROPERTIES

Tensile Strength	70,000 – 95,000 PSI Min
Yield Strength	40,000 PSI Min
Elongation at 2in.	22.0% Min
Reduction of area	35.0% Min

A352 LCA

CHEMICAL COMPOSITION

Carbon	0.25% Max
Manganese	0.70% Max
Silicon	0.60% Max
Phosphorus	0.04% Max
Sulfur	0.045% Max
Nickel	0.50% Max
Chromium	0.50% Max
Molybdenum	0.20% Max
Copper	0.30% Max
Vanadium	0.03% Max

PHYSICAL PROPERTIES

Tensile Strength	60,000 – 85,000 PSI
Yield Strength	30,000 PSI Min
Elongation at 2in.	24.0% Min
Reduction of area	35.0% Min

A352 LCB

CHEMICAL COMPOSITION

Carbon	0.30% Max
Manganese	1.00% Max
Silicon	0.60% Max
Phosphorus	0.04% Max
Sulfur	0.045%
Nickel	0.50% Max
Chromium	0.50% Max
Molybdenum	0.20% Max
Copper	0.30% Max
Vanadium	0.03% Max

PHYSICAL PROPERTIES

Tensile Strength	65,000 – 90,000 PSI Min
Yield Strength	35,000 PSI Min
Elongation at 2in.	24.0% Min
Reduction of area	35.0% Min

A352 LCC

Carbon	0.25% Max
Manganese	1.20% Max
Silicon	0.60% Max
Phosphorus	0.04% Max
Sulfur	0.045% Max
Nickel	0.50% Max
Chromium	0.50% Max
Molybdenum	0.20% Max
Copper	0.30% Max
Vanadium	0.03% Max
Tensile Strength	70,000 – 95,000 PSI
Yield Strength	40,000 PSI Min
Elongation at 2in.	22.0% Min
Reduction of area	35.0% Min