

2024 T351 CF Cold Drawn Aluminum

| QQ-A | AMS | ASTM | Temper | Tensile Strength (PSI) | Tensile Strength (KSI) | Yield Strength (PSI) | Yield Strength (KSI) |
|-------|------|------|--------|------------------------|------------------------|----------------------|----------------------|
| 225/6 | 4120 | B211 | T351 | 67,877 | 68 | 46,992 | 47 |

| Elongation (%) | Corrosion Resistance | Cold Forming | Machinability | Density | Brinell Hardness (BHN) | Shear Strength (PSI) | Shear Strength (KSI) |
|----------------|----------------------|--------------|---------------|---------|------------------------|----------------------|----------------------|
| 19 | D ₁₉ | C | B | .101 | 120 | 40,900 | 41 |

| Fatigue Strength (KSI) | Fatigue Strength (PSI) | Anodize Resonse | Coefficient of Thermal Expansion | Thermal Conductivity at 75 degrees F16 | Stress Corrosion Cracking Resistance |
|------------------------|------------------------|-----------------|----------------------------------|--|--------------------------------------|
| 20 | 20,015 | C | 12.8 | 840 | C |

| Electrical Conductivity | Gas Welding | Inert Gas Arc Welding | Resistance Welding | Brazing | Soldering |
|-------------------------|-------------|-----------------------|--------------------|---------|-----------|
| 30 | D | B | D | D | C |

Good machinability and machined surface finish capability. A high-strength material of adequate workability. Has largely superseded 2017 for structural applications. Comparable strength to some mild steels.