MATERIAL DATA SHEET (MDS)

Seamless UNS C12200 DHP Copper HVACR Tubes per ASTM B280
Hard Drawn Straight Lengths and Soft Coils

This technical data sheet summarizes the definitive material, chemical, mechanical, physical, and dimensional requirements for Seamless Copper Tube for Air Conditioning and Refrigeration (ACR) field service, strictly governed by standard specification ASTM B280.

Chemical Composition Requirements

As specified by UNS C12200 and ASTM B280, the material must conform to strict purity metrics to maintain thermal efficiency and safe brazing profiles:

- **Copper (Cu):** 99.90% Minimum
- **Phosphorus (P):** 0.015% to 0.040% (Optimizes deoxidization without degrading electrical/thermal conductivity rules)

System Cleanliness

Tubes are thoroughly cleared, nitrogenized, and capped at both ends prior to dispatch.