

Refrigeration and Air Conditioning Tubes Data Sheet



Pipeline solutions for refrigeration and air conditioning, all to EN 12735-1

Our copper tubing is designed specifically for refrigeration and air conditioning use and accordingly cleaned, nitrogen-purged and capped.

Material Analysis

Material Grade Phosphorus de-oxidised copper; Cu-DHP or CW024A as defined in BS EN 1976.

Minimum Copper Content 99.90 % (including silver)

Phosphorus 0.015-0.040 %

Total Impurity Maxima 0.060 % (excluding phosphorus and silver)

The melting point of copper is 1083°C and it has a density of 8.9 gm/cc

Mechanical Properties

BS EN 12735-1 Refrigeration and Air Conditioning Tubes

Material Temper EN 1173	Tensile Strength min. (N/mm ²)	Elongation min. (%)	Hardness (Indicative) HV5 VPN
R220 (soft)	220	40	40-70
	250	30	75-100
	290	3	Over 100