

ASTM

THE SILMET ASTM PRODUCT LINE IS ABLE TO SATISFY ALL THE REQUIREMENTS FOR THE HYDRAULIC/ PLUMBING SUPPLY AND FOR DWV APPLICATIONS AND IS AVAILABLE IN THE MOST COMMON TYPES: TYPE K, L, M AND DWV.

All phases of the production process, starting from acceptance of raw materials, are subject to very severe sampling and control plans aimed at guaranteeing that the end products achieve very high-quality standards.

For our Seamless Copper Round Tube, the reference standards are:

- ASTM B75 : Suitable for general engineering applications
- ASTM B88 : Water Tube
- ASTM B280 : Air Conditioning and Refrigeration Field Service
- ASTM B819 : Medical Gas Systems
- ASTM B837 : Natural gas and liquefied petroleum (lp) gas fuel distribution system

The tubes that meet these standards can be supplied in any of several tempers:

- O50 : Light Annealed
- O60 : Soft Annealed.
- H55 : Light Drawn
- H58 : Drawn
- H80 : Hard Drawn

and in coils and straight lengths, in lengths recommended in the standards and / or requested by the customer.

ASTM COPPER TUBES



SILMET PRODUCTS



COPPER CHEMICAL/PHYSICAL/TECHNOLOGICAL PROPERTIES

Symbol	Cu
Atomic number	29
Atomic weight	2,6625
Crystalline structure	cubic with faces centred with the side of the cube 3,6078 Å
Melting temperature	1083° C
Boiling temperature	2595° C
Density at 20° C	8,94 g/cm ³
Coefficient of linear thermal expansion at 20° C	0,0000165 • K ⁻¹
Solidification shrinkage	4,92%
Specific heat at 20° C	385 J/kg K
Latent smelting heat	205 kj/kg
Thermal conductivity at 20° C	391 W/m K
Electric resistivity at 20° C annealed physical state	0,017241 Ω mm ² /m
Electric resistivity temperature coefficient at 20° C	0,00393 • K ⁻¹
Alloy for the production of ASTM Copper Tubes	C12200 (Cu-DHP) (Cu = 99.90% min. - P = 0.015 ÷ 0.040%)



Packing: in cardboard boxes on wooden pallet
 Indicative weight: 500 kg
 Cardboard box of: 40 cm x 40 cm x 20 mm (W x L x H)
 60 cm x 60 cm x 20 mm (W x L x H)



Straight lengths in bundles and protected with plastic film
 Indicative weight: 500 kg