

DIN EN 12449:2023-08 (E)

Copper and copper alloys - Seamless, round tubes for general purposes

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Designations	6
4.1	Material	6
4.2	Material condition	7
4.3	Product	7
5	Ordering information	8
6	Requirements	9
6.1	Composition	9
6.2	Mechanical properties	9
6.3	Dimensions and tolerances	9
6.4	Surface quality	10
6.5	Technological requirements	10
7	Sampling	11
7.1	General	11
7.2	Analysis	11
7.3	Mechanical tests and stress corrosion resistance test	11
8	Test methods	12
8.1	Analysis	12
8.2	Tensile test	12
8.3	Hardness test	12
8.4	Technological tests	12
8.5	Freedom from defects tests	12
8.6	Retests	13
8.7	Rounding of results	13
9	Declaration of conformity and inspection documentation	13
9.1	Declaration of conformity	13
9.2	Inspection documentation	13
10	Marking, packaging, labelling	14
Bibliography		51