

EN 12163, Copper and copper alloys — Rod for general purposes

Designations		Diameter			Width across - flats			Tensile Strength	0,2% proof strength			Elongation			Hardness		
Material		Material Condition	mm			mm			Rm (Mpa)	Rp 0,2 (Mpa)			A 100 (%)	A 11,3 (%)	A (%)	HBW	
Number	Symbol		from	over	up to and including	from	over	up to and including	min.	min.	max.	min.	min.	min.	min.	max.	
CW508L	CuZn37	R290	4	-	80	4	-	80	290	-	230	-	40	45	-	-	
		H070	4	-	80	4	-	80	-	-	-	-	-	-	70	110	
		R370	4	-	40	4	-	35	370	240	-	-	12	14	-	-	
		H105	4	-	40	4	-	35	-	-	-	-	-	-	105	145	
		R460	4	-	8	4	-	6	460	330	-	-	6	8	-	-	
		H140	4	-	8	4	-	6	-	-	-	-	-	-	140	-	

EN 12165, Copper and copper alloys — Wrought and unwrought forging stock

Designations		Diameter		Hardness		
Material		mm		HB		
Number	Symbol	Material Condition	from	up to and including	min.	max.
CW508L	CuZn37	M	All		As manufactured	
		H070	8	120	70	170

EN 12166, Copper and copper alloys — Wire for general purposes

Designations		Diameter		Tensile Strength	0,2% proof strength			Elongation			Hardness		
Material		Material Condition	mm		Rm (Mpa)	Rp 0,2 (Mpa)			A 100 (%)	A 11,3 (%)	A (%)	HV	
Number	Symbol		from	up to and including	min.	min.	max.	min.	min.	min.	min.	max.	
CW508L	CuZn37	M	All		As manufactured								
		R290	0,5	20	290	-	230	30	40	45	-	-	
		H055	1,5	20	-	-	-	-	-	-	55	110	
		R370	0,5	20	370	240	-	10	12	14	-	-	
		H095	1,5	20	-	-	-	-	-	-	95	140	
		R460	0,5	5	460	330	-	4	6	-	-	-	
		H115	1,5	5	-	-	-	-	-	-	115	155	
		R550	0,5	4	550	450	-	2	5	-	-	-	
		H130	1,5	4	-	-	-	-	-	-	130	170	
		R700	0,5	4	700	550	-	-	-	-	-	-	
		H160	1,5	4	-	-	-	-	-	-	160	-	

EN 12449, Copper and copper alloys — Seamless, round tubes for general purposes

Designations		Wall Thickness	Tensile Strength	0,2% proof strength		Elongation	Hardness				
Material		Material Condition	mm	Rm (Mpa)	Rp 0,2 (Mpa)		A (%)	HV		HBW	
Number	Symbol		max.	min.	min.	max.	min.	min.	max.	min.	max.
CW508L	CuZn37	M	20	-	-	-	-	-	-	-	-
		R340	20	340	-	250	35	-	-	-	-
		H075	20	-	-	-	-	75	105	70	100
		R410	10	410	250	-	18	-	-	-	-
		H100	10	-	-	-	-	100	130	95	125
		R470	5	470	400	-	5	-	-	-	-
		H125	5	-	-	-	-	125	-	120	-