



**BRONMETAL**

**Bronze Br**

Product format:

Technical characteristics:

**Tape**

Band of rolled copper rolls for industrial applications



## MECHANICAL CHARACTERISTICS

Designations		Nominal thickness		Tensile strength		Proof stress of 0.2 %	Enlogation		Hardness		Grain size			
Material		mm		R <sub>m</sub>		R <sub>p0.2</sub>	A <sub>50 mm</sub>	A	HV		mm			
Symbol	numerical	From	Until included	N/mm <sup>2</sup>			N/mm <sup>2</sup>	For thicknesses up to 2.5mm including	For thicknesses greater than 2.5mm	mín.	máx.	mín.	máx.	
				mín.	máx.		%	%						
CuSn4	CW450K	R290	0,1	5	290	390	(máx. 190)	40	50	-	-	-	-	
		H070			-	-	-	-	-	70	100	-	-	
		R390	0,1	5	390	490	(mín. 210)	11	13	-	-	-	-	
		H115			-	-	-	-	-	115	155	-	-	
		R480	0,1	5	480	570	(mín. 420)	4	5	-	-	-	-	
		H150			-	-	-	-	-	150	180	-	-	
		R540	0,1	2	540	630	(mín. 490)	3	-	-	-	-	-	-
		H170			-	-	-	-	-	170	200	-	-	
		R610	0,1	2	610	-	(mín. 540)	-	-	-	-	-	-	-
		H190			-	-	-	-	-	190	-	-	-	-

Designations		Nominal thickness		Tensile strength		Proof stress of 0.2 %	Enlogation		Hardness		Grain size		
Material	Metallurgical state	mm		R <sub>m</sub>		R <sub>p0.2</sub>	A <sub>50 mm</sub>	A	HV		mm		
							For thicknesses up to 2.5mm including	For thicknesses greater than 2.5mm					
Symbol	numerical	From	Until included	N/mm <sup>2</sup>		N/mm <sup>2</sup>	%	%	mín.	máx	mín.	máx.	
CuSn8	CW453K	R370	0,1	5	370	450	(máx. 300)	50	60	-	-	-	-
		H090			-	-	-	-	-	90	120	-	-
		R450	0,1	5	450	550	(mín. 280)	20	23	-	-	-	-
		H135			-	-	-	-	-	135	175	-	-
		R540	0,1	5	540	630	(mín. 460)	13	15	-	-	-	-
		H170			-	-	-	-	-	170	200	-	-
		R600	0,1	5	600	690	(mín. 530)	5	7	-	-	-	-
		H190			-	-	-	-	-	190	220	-	-
		R660	0,1	2	660	750	(mín. 620)	3	-	-	-	-	-
		H210			-	-	-	-	-	210	240	-	-
		R740	0,1	2	740	-	(mín. 700)	2	-	-	-	-	-
		H230			-	-	-	-	-	230	-	-	-