

	Nickel based superalloy	Page 1(1)
	Mekava CW12MW	Approved: T.S.
21.11.2019		

Chemical composition

	C %	Si %	Mn%	Cr %	Mo %	V %	W %	Fe %	Ni %
min.				15,50	16,00	0,20	3,75	4,50	balance
max.	0,12	1,00	1,00	17,50	18,00	0,40	5,25	7,50	

Mechanical properties at +20 °C

Condition	Yield strength $R_{p0,2}$ MPa, min.	Tensile strength R_m MPa, min.	Elongation A_5 %, min.	Impact strength $KV_2 +20\text{ °C}$ J, min.
Cast, solution annealed.	275	495	4	

Information about corrosion resistance

The corrosion resistance of Mekava CW12MW is excellent against different acids, also in high concentrations up to 100 °C temperature.

Related standards

DIN 17744:2002	ASTM A494
2.4819	CW12MW