

	Ductile cast iron	Page 1(1)
	Mekava GJS 500	Approved: T.S.
29.05.2020		

Chemical composition

	C %	Si %	Mn%	P %	S %	Mg %
min.	3,2	1,8	0,05			0,03
max.	3,8	2,8	0,6	0,05	0,02	0,08

Mechanical properties

Condition	Relevant wall thickness t mm	Yield strength	Tensile strength	Elongation	Impact strength	Hardness *
		R _{p0,2} MPa, min.	R _m MPa, min.	A ₅ %, min.	KV +20 °C J, min.	HBW
Cast sample Ø 14 mm	...30	320	500	7		
	over 30...60	300	450	7		170...230
	over 60...200	290	420	5		150...230

*Hardness depends on wall thickness.

Related standards

EN 1563:2018	ASTM A536
EN-GJS-500	80-55-06