

	Ductile cast iron	Page 1(1)
	Mekava GJS 400	Approved: T.S.
21.11.2019		

Chemical composition

	C %	Si %	Mn%	P %	S %	Mg %
min.	3,2	1,8	0,05			0,03
max.	3,8	2,8	0,4	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	250	400	18	14	
	over 30...60	250	390	15	14	130...180
	over 60...200	240	370	12	12	130...180

*Hardness depends on wall thickness.

Related standards

EN 1563:2018	ASTM A536
EN-GJS-400	60-40-18