

	High-silicon cast iron	Page 1(1)
	Mekava High Si 2	Approved: T.S.
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Mekava High Si 2 is wear and corrosion resistant cast iron with a high silicon content

Chemical composition

	C %	Si %	Mn%	P %	S %	Cr %	Mo %	Cu %
min.	0,55	14,50				3,00		
max.	1,15	16,20	1,50	1,00	0,10	5,00	0,50	0,50

Hardness of castings

Wall thickness 30 mm, guidance value 52 HRC

Related standards

EN designation	ASTM A518
GX90SiCr15-5	Grade 2

Information about wear and corrosion resistance

Mekava High Si 2 is resistant in circumstances, where influence of erosion and acids are present. Especially the material is durable in sulphuric acid and slurry in all concentrations and temperatures up to 350 °C. Corrosion resistance is satisfactory in hydrochlorid acid up to concentration about 20 %.

Typical applications are components of pumps for wearing slurries and parts of equipment for concentration of minerals.