

	Valkoinen valurauta	Page 1(1)
	Mekava Ni-Hard 2	Approved: T.S.
21.11.2019		

Mekava Ni-Hard 2 is nickel + chromium alloyed wear resistant white cast iron.

Chemical composition

	C %	Si %	Mn%	P %	S %	Cr %	Ni %
min.	2,5	0,3	0,3			1,4	3,3
max.	3,0	0,8	0,7	0,30	0,15	2,4	5,0

Hardness of castings

Wall thickness 30 mm, guideline value 54...60 HRC

Related standards

EN 12513:2011	ASTM A532
EN-GJN-HB480, nr. 5.5602	Class 1 Type B

Information about wear resistance and weldability

The excellent abrasive wear resistance of Mekava Ni-Hard 2 is based on micro structure, which includes dendrites of iron and chromium carbides in martensitic matrix.

Relatively low carbon content affords a reasonable toughness and improves impact wear resistance.

Welding of Ni-Hard cast irons is not recommended. However, if necessary, a high working temperature, over 700 °C should be used.

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