



Steel Grade : - 1.2738



Description: heat treated steel to reach approx. hardness of 30 HRC, good machinability, good for texturing, good polishability, high through hardenability due to nickel content

Application: large injection moulds, large bodies of plastic moulds and pressure moulds, where high strength of the core is required

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
0.35-0.45	1.3-1.6	0.2-0.4	max 0.035	max 0.035	1.8-2.1	0.9-1.2	0.15-0.25	-	-	-	-

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
-	1.2738	40CrMnNiMo8-6-4	P20+Ni	-	M238, Impax

Processes

nitriding YES
hardening YES temp. 840 - 870 [°C]
tempering YES temp. 500 - 650 [°C]

Hardness after toughening - 51 HRC
after softening - 235 HB

Assortment in 1.2738 grade available from stock of "Multistal & Lohmann" Sp. z o.o.

1.2738	stock sizes [mm]
flat bars, squares; blocks	to 1000 mm width and 600 mm thickness; cut to required size (toughened to 30 HRC)