

Maxalloy 2

Material Data Sheet

Wilfley slurry pumps and parts are available in Maxalloy 2 a Wilfley proprietary chrome-molybdenum hard iron alloy.

Maxalloy 2 offers high material hardness and toughness for excellent wear in the most difficult abrasive applications. Through special processing chrome-moly carbides are interspersed in a hardened martensitic matrix to enhance wear performance.

Maxalloy 2 may be applied within a 4.5-8.5 pH range.

Mechanical Properties

Specification	Hardness Range HBN	Tensile Strength	pH Range
ASTM A532 Class II, Type B	650-720	60,000 psi	4.5-8.5

Chemical Composition (weight %)

C 2.0-3.3%	P 0.10 max
Cr 14-18	S 0.06 max
Ni 2.5 max	Si 1.50 max
Mo 3.0 max	Mn 2.0 max
Cu 1.2 max	Fe balance