

White Iron

Material Data Sheet

Wilfley slurry pumps and parts are available in White Iron.

WI (White Iron) is similar to ASTM A532. It is a eutectic alloy, meaning that it is not processed but remains "as cast". The chromium and iron carbides are plate shaped. This material is an economical hard iron alloy that offers good service in medium abrasive applications.

Mechanical Properties

Specification	Hardness Range HBN	Tensile Strength	pH Range
Similar to A532	400-460	45,000 psi	5-8

Chemical Composition (weight %)

C 3.10-3.40%	P 0.10 max
Cr 1.75-2.25	S 0.10 max
	Si 0.2-0.50 max
Mo 1.0 max	Mn 0.60-0.90
	Fe balance