

17-4PH

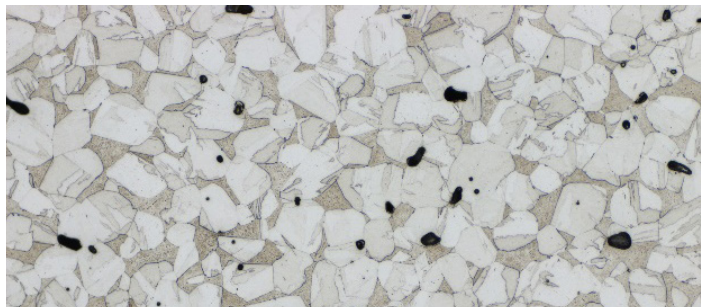
STAINLESS STEEL

17-4PH is a precipitation-hardening martensitic stainless steel known for its high strength, wear resistance, corrosion resistance, and weldability.

This versatile material finds application in diverse industries like petroleum, chemical, and aerospace, where it is used for heavy-duty machine components, couplings, screws, drive shafts, and nuts. 17-4PH can be heat-treated to meet specific mechanical requirements.

Composition	Weight%	Features & Benefits
Iron	Balance	High strength & wear resistance
Chromium	16.5	Moderate corrosion resistance
Nickel	4	Weldable
Copper	3.5	Hardenable

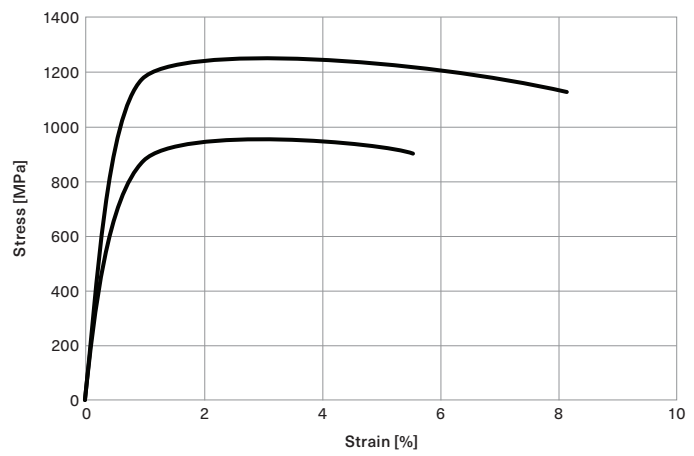
Physical Properties	As Sintered	H900
Ultimate tensile strength [MPa]	950	1250
Yield strength [MPa]	730	1100
Elongation [%]	4	7
Hardness [HRC]	27	38
Relative density [%]	98	98



As sintered



TENSILE PROPERTIES – AS SINTERED VS H900



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