

Mechanical Properties

Strength varies with heat treatment condition. The following table shows minimum mechanical properties for the various aged conditions, per AMS 5864.

	H950	H1000	H1025	H1050	H1100	H1150
0.2 Offset Yield Strength, ksi	205	190	175	165	135	90
Ultimate Tensile Strength, ksi	220	205	185	175	150	135
Elongation in 2", %	10	10	11	12	14	14
Reduction of Area, % (Longitudinal)	45	50	50	50	50	50
Reduction of Area, % (Transverse)	45	50	50	50	50	50
Reduction of Area, % (Short-Transverse)	35	40	45	45	50	50
Min Hardness, Rockwell	45	43	–	40	34	30



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