



Alloy Data Sheet

Chemistries

ALLOY	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other
3003	0.6	0.7	0.10	1.0-1.5	-	-	0.10	-	0.15
3004	0.30	0.7	0.25	1.0-1.5	0.8-1.3	-	0.25	-	0.15
3105	0.6	0.7	0.30	0.30-0.80	0.20-0.8	0.20	0.40	0.10	0.15
5052	0.25	0.40	0.10	0.10	2.2-2.8	0.15-0.35	0.10	-	0.15

Properties

<u>3003</u>		
	TENSILE (KSI)	YIELD (KSI)
HX2	17.0-23.0	12.0 (min)
HX4	20.0-26.0	17.0 (min)
HX6	24.0-30.0	21.0 (min)
HX8	27.0 (min)	24.0 (min)

<u>3004</u>		
	TENSILE (KSI)	YIELD (KSI)
HX2	28.0-35.0	21.0 (min)
HX4	32.0-38.0	25.0 (min)
HX6	35.0-41.0	28.0 (min)
HX8	38.0 (min)	31.0 (min)

<u>3105</u>		
	TENSILE (KSI)	YIELD (KSI)
HX1	16.5-23.5	10.0 (min)
HX2	19.0-26.0	15.0 (min)
HX4	22.0-29.0	18.0 (min)
HX6	25.0-32.0	21.0 (min)
HX8	28.0 (min)	24.0 (min)

<u>5052</u>		
	TENSILE (KSI)	YIELD (KSI)
0	25.0-31.0	9.5 (min)
HX2	31.0-38.0	23.0 (min)
HX4	34.0-41.0	26.0 (min)
HX6	37.0-44.0	29.0 (min)
HX8	39.0 (min)	32.0 (min)