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Supplementary Materials

High-Temperature Mechanical Behavior of Cobalt-Free FeMnCrNi(Al) High-Entropy Alloys

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Table S1. Composition, experimental temperatures, and tensile properties of the reported alloys.

Composition	Temperatures (K)	$\sigma_{0.2}$ (MPa)	σ_{UTS} (MPa)	ε_u (%)	Reference
CoCrFeMnNi (FG)	293	365	660	50	[1]
	473	285	510	34	
	673	262	495	30	
	873	250	420	40	
	1073	133	140	46	
CoCrFeMnNi (CG)	293	200	980	60	[1]
	473	145	460	44	
	673	118	420	48	
	873	100	380	40	
	1073	91	160	24	
Waspaloy-GH55	293	684	1226	50.6	[2]
	473	641	1123	47.9	
	673	600	1035	47.3	
	873	595	1007	41.9	
	1073	570	641	7.1	
Inconel 625	293	598	971	40	[3]
	473	556	940	53	
	673	434	845	67	
	873	444	807	34	
	1073	392	403	61	
316SS	293	230	572		[4]
	473	157	480		
	673	143	476		
	873	114	400		
	1073	95	188		
Ni2Co1Fe1V0.5Mo0.2	293	305	580	71	[5]
	673	230	450	61	
	873	193	435	64	
	973	195	323	55	
	1073	180	318	58	
CoCrFeNi	293	611	794	38	[4]
	523	527	643	26	
	773	484	579	26	
	873	415	519	20	
	1073	103	174	64	
Ni30Co13Fe15Cr6Al6Ti-0.1B	293	863	1331	30.6	[6]
	573	794	1264	28	
	873	787	1192	23.4	
	973	753	1020	9.3	
	1173	416	435	7.4	
Al0.1CoCrFeNi	293	300	425	27.5	[7]
	773	160	300	34	
	873	75	220	23	
	973	43	150	6	
AlCoCrFeNi2.1	293	654	918	6	[8]
	773	574	752	6.5	
	873	465	651	8	
	973	378	509	5	
	1073	203	303	12	
	1173	109	175	29	

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