

High Temperature Tensile Strength of Tungsten Alloys after Extruding by Arc Furnace

Alloy		Under 1650°C				Under 1930°C				Under 2200°C			
		σ_b	$\sigma_{0.2}$	ψ	δ	σ_b	$\sigma_{0.2}$	ψ	δ	σ_b	$\sigma_{0.2}$	ψ	δ
		MPa		%		MPa		%		MPa		%	
Pure Tungsten		105	59	99	55	65	31	99	68	34	12	99	62
W & M O L Y	W-2.5Mo	127	76	7	9	63	20	34	40	35	14	75	41
	W-5Mo	211	207	83	28.7	73	39	97.9	89.8	38	25	95	116
	W-15Mo	253	243	78	27.8	95	57	95	85	49	27	97	125
	W-25Mo	222	145	25	10	56	44	72	48	35	-	-	-
	W-50Mo	143	-	42	15	46	-	16	11	30	-	27	10
	Mo	42	-	-	-	-	-	-	-	-	-	-	-