

TUNGSTEN POWDER

(For pyrotechnics)
MIL-T-48140 (MU)
24 April 1973
Superseding
PA – PD - 3056
26 February 1968

Chemical Requirements

Element	Percent	 Element	Percent
Tungsten, % min	99.9	Oxygen, % max	0.08
Aluminum, % max	0.002	Manganese, % max	0.001
Cobalt, % max	0.002	Molybdenum, % max	0.060
Chromium, % max	0.004	Nickel, % max	0.005
Copper, % max	0.002	Lead, % max	0.001
Iron, % max	0.025	Silicon, % max	0.003
Magnesium, %	0.001	Tin, % max	0.001
max			

Particle size distribution

Particle	Weight Percent							
Size distribution	Type I Agglomerated as supplied		Type II De-agglomerated					
			As supplied		Lab milled			
	Min	Max	Min	Max	Min	Max		
0-5	6	18						
5-10	22	38						
10-15	20	35						
15-20	12	25						
20-25	0	25						
0-1			0	2	0	5		
1-2			1	5	2	12		
2-3			5	14	8	18		
3-4			10	20	12	24		
4-5			11	23	12	24		
5-6			11	21	8	18		
6-7			8	17	4	12		
7-25			Balance		Balance			

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