



Chemical and Physical Characteristics of Valimet Spherical Aluminum Powder Specifications

	H-2	H-3	H-5	H-10	H-15	H-30	H-50	H-60	H-95
Aluminum, wt. %, min.	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
Volatile, wt. %, max.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Oil & Grease, wt. %, max.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Iron, wt. %, max.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
APS (Fisher) min.	2.0	3.0	4.5	8.0	14.0	20.0			
APS (Fisher) max.	3.0	4.5	7.0	12.0	18.0	30.0			
Sieve Analysis									
-80, wt. %									100
-100, wt. %, min.									95.0
-200, wt. %						99.5 min.	90.0 min.	85.0 min.	10.0 max.
-325, wt. %	99.0 min.	99.0 min.	99.0 min.	98.0 min.	99.0 min.	85.0 min.	20.0-40.0	15.0 max.	
Microtrac Analysis (Nominal Values)									
90%	7.5	10.5	15.0	22.0	40.0	58.0	92.0	105.0	160.0
50%	3.5	4.5	8.0	12.0	20.0	31.0	55.0	70.0	108.0
10%	1.8	2.0	4.0	6.0	9.0	15.0	30.0	44.0	73.0
Comparable Commercial Specifications				B50TF57B		PWA 1374		PWA 1320 B50TF57A	PWA 1327
Comparable Military Specifications			MIL PRF 23950B, TP. I		MIL PRF 23950B, TP. II, TP. IV	MIL PRF 23950B, TP. III			

Our commitment to quality ensures that you get the product you need on time, every time.

431 Sperry Road
Stockton, CA 95206

Office: (209) 444-1600
Fax: (209) 444-1636

Email: valimet@valimet.com
Website: www.valimet.com