

Spherical Aluminum Powder

Valimet's Spherical Aluminum Powders offer excellent packing density, low viscosity mixing and predictable flow rates. These attributes make Valimet's powders ideal for a diverse range of end uses.

The following table describes Valimet's standard Aluminum Powders. Several of these products are equivalent to existing military and commercial specifications. Many other sizes are available from stock, and we offer custom sizing.

Percentile*	H-2	H-3	H-5	H-10	H-12	H-15	H-30	H-50	H-60	H-95
90 %	6.8	10.5	15.0	22	28	38	55	90	105	190
50 %	3.2	4.5	8.0	12.5	15	20	31	59	65	120
10 %	1.7	2.0	3.5	7	7	11	15	30	42	73

*Nominal Size by Microtrac (microns)

All of our standard Aluminum Powders contain a minimum of 99.7 % weight Aluminum. Iron content is limited to 0.2 % weight. Contact us about higher purity products as well.

Aluminum Powder Details

Sieve Analysis	H-2	H-3	H-5	H-10	H-12	H-15	H-30	H-50	H-60	H-95
-80 wt. %										100
-100 wt. %										95.0 min.
-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.	94.0 min.	99.0 min.	85.0 min.	20.0-40.0	15.0 max.	

APS (Fisher)	H-2	H-3	H-5	H-10	H-12	H-15	H-30	H-50	H-60	H-95
Min.	2.0	3.0	4.5	8.0	10.0	14.0	20.0	n/a	n/a	n/a
Max.	3.0	4.5	7.0	12.0	14.0	18.0	30.0	n/a	n/a	n/a

Tap Density	H-2	H-3	H-5	H-10	H-12	H-15	H-30	H-50	H-60	H-95
g/cc	n/a	1.4	1.4	1.5	1.5	1.5	1.6	1.5	n/a	n/a