



## Chemical and Physical Characteristics of Valimet Spherical V & M Series Aluminum Powders

	V-43	V-60	V-61	V-120	V-170	M-1	M-2
Aluminum, wt. %, min.	99.7	99.7	99.7	99.7	99.7	99.7	99.7
Volatile, wt. %, max.	0.10 max.					0.1	0.1
Oil & Grease, wt. %, max.	0.20 max.					0.2	0.2
Iron, wt. %, max.	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Silicon, wt. %, max.	0.10	0.10	0.10	0.10	0.10		
Copper, wt. %, max.		<0.05	<0.05				
Zinc, wt. %, max.		<0.05	<0.05				
Manganese, wt. %, max.		<0.05	<0.05				
Others each, wt. %, max.		0.05	0.05		0.05		
Total all others, wt. %, max.		0.15	0.15		0.15		
Flow Rate, sec.			60 max.				
Apparent Density, g/cc			1.35 ± 0.1				
Sieve Analysis							
+20, wt %, max.	1% max.						
+40, wt %, max.	5% max.						
+80, wt %, max.						2.0	2.0
+100, wt. %, max.		Trace	Trace	0.2	Trace		
+140, wt. %, max.		0.5					
+170, wt. %, max.		5.0	0.75				
-200, wt. %, min.	10% max.						
-200 +325, wt. %, min.			88.0				
-325, wt. %		11.0 max.	11.0 max.	75.0-99.5	95.0 min.	15.0 max.	25.0-60.0
Other		+200: 50.0% max.	-170 + 200: 6.0% max.		+200: 0.2% max.		D50: 45.0-65.0 $\mu$

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

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