



Chemical and Physical Characteristics of Valimet Spherical Aluminum Silicon Powders

	S-2	S-5	S-8	S-10	S-15	S-20	S-25
Aluminum	Balance	Balance	Balance	Balance	Balance	Balance	Balance
Silicon, wt. %	11.0-13.0	11.0-13.0	11.0-13.0	11.0-13.0	11.0-13.0	11.0-13.0	11.0-13.0
Iron, wt. %, max.	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Zinc, wt. %, max.	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Copper, wt. %, max.	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Magnesium, wt. % max.	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Manganese, wt. %, max.	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Sieve Analysis							
+80, wt %, max.							0.5
+100, wt. %, max.					0.2		5.0
+140, wt. %, max.						1.0	
+170, wt. %, max.						7.0	
+200, wt. %, max.				0.1	15.0		
+250, wt. %, max.				1.0			
+325, wt. %				15.0 max.		90.0 min.	
-325, wt. %	99.0 min.	99.0 min.	99.0 min.	85.0 min.	75.0-85.0	10.0 max.	10.0 max.
Microtrac Analysis (Nominal Values)							
90%	7.1	12.5	15.5	48.5	60.0	105.0	180.0
50%	3.5	5.0	8.5	23.0	30.0	70.0	120.0
10%	2.1	2.5	4.0	8.5	13.0	48.5	80.0
Comparable Specifications			B50TF92B	PWA 1355	RR9507/15 PWA1349 B50TF222A	PWA 1335 B50TF92A	

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

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