

Atomised Aluminium Powder

Grade / Parameters	TALTOM ® Standard SF	TALTOM ® SF - 200	TALTOM ® Dust Coated	TALTOM ® Dust	TALTOM ® CR 1030	TALTOM ® CR 3060	TALTOM ® CR 3080
Visual Impurities	Free from Visual Impurities	Free from Visual Impurities	Free from Visual Impurities	Free from Visual Impurities	Free from Visual Impurities	Free from Visual Impurities	Free from Visual Impurities
Sieve Analysis	(-200) Mesh – 70% Min (-300) Mesh – 50% Min	(-200) Mesh – 95% Min (-300) Mesh – 80% Min	(200) Mesh – 10% Max (300) Mesh – 40% Min	(-325) Mesh – 80% Min	-10 = 100% +30 = 80%	-30 = 90% +100 = 95%	-30 = 90% +100 = 95%
AL Content (By Difference)	99% Min	99% Min	99% Min	99% Min	99% Min	99% Min	99% Min
Silicon Content (Si)	0.15% Max	0.15% Max	0.15% Max	0.15% Max	0.15% Max	0.15% Max	0.15% Max
Iron Content (Fe)	0.40% Max	0.40% Max	0.40% Max	0.40% Max	0.40% Max	0.40% Max	0.40% Max
Coating (As per customer requirement)	2% Max – Fatty Acid						
Application							

Flake Aluminium Powder

Grade / Parameters	TALFLAKE ® Explo Standard	TALPH ® Standard	TALCRETE ® NP	TALCRETE ® 80	TALCRETE ® 90
Visual Impurities	Free from Visual Impurities	Free from Visual Impurities	Free from Visual Impurities	Free from Visual Impurities	Free from Visual Impurities
Fatty Matters (%)	3.00 ± 0.5	1 - 3			
Water Coverage Area (cm ² /g)	10000 Min	2500 - 4000			
Bulk Density (gm/cc)	0.2 – 0.3	0.20 - 0.30	0.13 – 0.20	0.13 – 0.20	0.13 – 0.20
Metallic Aluminium (Gas Volumetry in %)	87 Min	94 Min			
Particle Size D50 (µm)			55 - 65	25 Min	20 Min
Sieve Analysis (%)	-300 BSS Mesh – 90 Min		+350 BSS Mesh – 55 to 65	+350 BSS Mesh – 20 Max	+350 BSS Mesh – 10 Max
Miscibility (Visual)			Miscible in water 100%	Miscible in water 100%	Miscible in water 100%
Evolution (Hydrogen Gas) (ml/cc)			In 10 Minutes, 72 ml Min	In 10 Minutes, 85 ml Min	In 10 Minutes, 57 ml Min

Aluminium Paste

Grade / Parameters	TALPASTE[®] M – 12L
Visual Impurities	Free from Visual Impurities
Non Volatile Matter (%)	65 Min
Sieve Analysis (%)	+100 BSS – Nil +200 BSS – 0.5 Max +350 BSS – 3 Max
Leafing Value (%)	75 Min
Grease Content (%)	3 Max
Water Coverage Area (cm ² /g)	20000 Min