



Alumina-Silicate Foundry Sand Technical Data Sheet

Product Name: AktaMat-Andu60 (Kerphalite)

Chemical Analysis (wt.%, ICP Method):

Grades	Al2O3	SiO2	Fe2O3	TiO2	MgO+CaO	Na2O+K2O	L.O.I*
Typical	58.42	39.42	0.97	0.09	0.28	0.37	0.53
Range	Min 58	Max 40	≤ 1.1	≤ 0.3	< 0.5	≤ 0.5	≤ 0.7

* ASTM D7348-Method B

Phase Analysis:

Majors: Andalusite

Minors: Silimanite, Quartz, illite

Size: $d_{95} \leq 106 \mu\text{m}$

Tap Density (gr/cm³): Typ. 1.79, Min 1.7

True Specific Gravity (gr/cm³): 3.1

pH Value: Typ. = 6.5, Range = 6 - 8

Refractoriness: > 1730°C, < 1840°C

Humidity: Typ. 0.1, 0.3 %

Package: Big bag (1 metric ton), Paper bag (20, 25 Kg)



The technical data represent the average of the current production. During the test has to be considered a fluctuation of these values $\pm 5\%$

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