



KERMAN AZARMAHAN REFRACTORIES CO.

Ladle Filler Sands Data Sheet

Products Names: KazarSand-LF-Cr22 (Carbon-Mixed)

Main Raw Materials	Cr₂O₃/SiO₂
Particle Size	0.4 ≤ d₉₅ ≤ 1.18 mm
Maximum Service Temperature	1700°C
Refractoriness (ASTM C24)	33 (1743°C)
Type of Delivery	Dry (15 kg paper bags in a 1000 kg laminated big bag)
Shelf Life	12 Months (When stored dry in a cool, dry warehouse)
Bulk density	2-2.4 g/cc

Chemical Analysis (ICP Method, Wt. %)

Oxide	Cr₂O₃	SiO₂	Fe₂O₃*	Al₂O₃	MgO	CaO	C
Typical	22.6	34.9	13.3	15.9	10.7	0.7	0.9
Range	Min 21	Max 36	Max 14.5	Max 17.5	Max 11.5	Max 1	Max 1

*As FeO + Fe₂O₃

Description:

Ladle filler sands of KAZAR are the mixtures of high purity refractory materials that are filled in the nozzle of sliding gate system. The main goal is to achieve a high free opening ratio and prevention of clogging when the sliding gate is opened. The engineers at KAZAR control the most important factor to obtain this goal that is sintering layer between the molten and upside of the sand.

The size of the sands depends on ladle size so it can be change based on requests.

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

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