

## Silicon Carbide Materials (Al<sub>2</sub>O<sub>3</sub>-SiC-C Brick)

We supply a complete line of silicon carbide refractory bricks for ladle and furnace lining in the industries of iron and steel melting and casting. These bricks are made from high quality silicon carbide mixed with corundum alumina and graphite. They are highly resistant against oxidation and spalling.

Category	ASC	ARSC	ASC -4A	ASC -4B	AS -50	ASC -50	ASC -60	ASC -5	ASC -5B	KR-2
Apparent Porosity % ≤	12	12	12	12	10	14	18	10	10	10
Bulk Density g/cm <sup>3</sup> ≥	2.60	2.60	2.75	2.75	2.70	2.50	2.65	2.70	2.80	2.70
Cold Crushing Strength Mpa ≥	40	40	35	35	40	35	30	35	35	35
Softening Point Under Load °C ≥	1560			1450	1560		1560			
SiO <sub>2</sub> % ≥	15	35	15	25				20	25	15
Al <sub>2</sub> O <sub>3</sub> % ≥	55	38	55	45	55	50	60	50	44	55
Fe <sub>2</sub> O <sub>3</sub> %			1.3	1.3						
SiC	≥10	≥14	≥12	≥12	≥4	≥12	≥16	≥15	≥17	≥4
C ≥	≥7	≥5	≥5	≥5	≥8			≥5	≥5	≥10
Service Position	Ladle Hot Face Lining									

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