



## AMI<sup>®</sup> INSULATING BRICK

**Material:** Refractory Clay (mullite) & calcined alumina

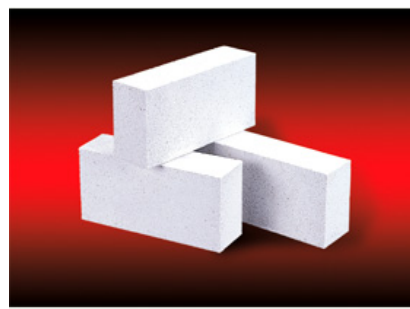
**Application:** With good technical parameters, AMI<sup>®</sup> Insulating Brick are suitable for various heat-process industrial applications, such as kiln, furnace, smelters, flues, heaters and equipments.

**Model:** 6 standard models (according to the working temperature range 1100—1550°C)

**Sizes:**

standard size: 230x114x64, 230x114x76, 250x124x64, 250x124x76, 250x187x64, 250x187x76

Special sizes or models are available as per orders.



### Technical Parameters of AMI<sup>®</sup> Insulating Brick

Items	Model	AM23	AM26	AM28	AM28H	AM30L	AM30
	<b>Bulk Density (g/cm<sup>3</sup>)</b>		0.6	0.8	0.8	1.0	0.8
<b>Compression Strength (MPa)</b>		≥1.1	≥2.1	≥2.0	≥3.2	≥3.2	≥4.8
<b>Modulus of Rupture (MPa)</b>		≥0.8	≥1.2	≥1.8	≥2.0	≥1.8	≥2.0
<b>Linear Shrinkage when re-fired (%)</b>		≤0.6	≤0.5	≤0.4	≤0.4	≤0.5	≤0.5
		1230°Cx24h		1400°Cx24h		1400°Cx24h	
<b>Thermal Expansion Coefficient (RT.-1000°C, %)</b>		0.4	0.5	0.5	0.5	0.6	0.6
<b>Thermal Conductivity Coefficient (≤350°C, W/m.k)</b>		0.20	0.24	0.25	0.32	0.28	0.28
<b>Graded Temperature (°C)</b>		1350	1430	1540	1540	1650	1650
<b>Working Temperature (°C)</b>		1250	1250	1400	1400	1540	1540
<b>Chemical Composition (%)</b>	Al <sub>2</sub> O <sub>3</sub>	≥45	≥45	≥54	≥54	≥65	≥65
	SiO <sub>2</sub>	≤53	≤53	≤45	≤45	≤33	≤33
	Fe <sub>2</sub> O <sub>3</sub>	≤1.0	≤1.0	≤0.8	≤0.8	≤0.7	≤0.7

Welcome to contact us for more details.

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