

# ACCUCAST FLOUR ID

Intermediate-density inert ceramic flour

The high quality, consistency and purity of ACCUCAST FLOUR ID improves refractoriness and offers lower thermal expansion and greater compatibility than silica flour. It is inert and does not produce measurable respirable crystalline silica.

## Physical properties

### Typical size gradation (%)

Grade	400	325	200
<200 mesh (75µm)	100	77	52
<325 mesh (45µm)	99	58	30
<635 mesh (20µm)	65	40	9

### Typical additional properties

Bulk density (g/cm <sup>3</sup> ) (lb/ft <sup>3</sup> )	1.37 86	1.90 119	2.14 134
Heat capacity Cp, cal/g-°C @200°C @1,000°C		0.17 0.23	
Absolute density (g/cm <sup>3</sup> )		3.49	
pH		7.4	
Acid demand value @pH 5 @pH 7		0.6 0.2	

Data is subject to change due to continuous improvement of the product.



### Chemical composition (weight %)

	Mullite, corundum and amorphous phase
Al <sub>2</sub> O <sub>3</sub>	65-80
SiO <sub>2</sub>	10-15
Fe <sub>2</sub> O <sub>3</sub>	5-10
TiO <sub>2</sub>	1-5

### Thermal Expansion Coefficient (@1100°C)

1E-6 in/in-°C	6.62
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Talk to CARBO to find out how we can help you enhance your production.

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[carboindustrial.com](http://carboindustrial.com)

**CARBO**

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