



Low Cement Castables

Cast Data

VIBROCAST ASC-8LT(C)-AK

VIBROCAST ASC-8LT(C)-AK is a high purity, low-cement, alumina-spinel castable designed to provide maximum resistance to molten steel and steelmaking slags.

VIBROCAST ASC-8LT(C)-AK is designed for production of cast shapes or monolithic placement in steel ladles and related steelmaking environments.

This product should be installed by vibration casting only.

Maximum Service Temperature: 3400°F (1870°C)

Bulk Density:

After 1500°F (815°C): 187 lbs/ft³ (2992 kg/m³)

After 2910°F (1600°C): 186 lbs/ft³ (2976 kg/m³)

Apparent Porosity

After 2910°F (1600°C): 20%

Cold Crushing Strength:

After 1500°F (815°C): 4000- 6000 psi (280- 420 kg/cm²)

Modulus of Rupture:

After 2910°F (1600°C): 3000- 4500 psi (210-315 kg/cm²)

Permanent Linear Change (%):

After 2910°F (1600°C): +0.2 to -0.3

Typical Chemical Analysis (%):

Al ₂ O	SiO ₂	Fe ₂ O ₃	CaO	MgO	Others
92.7	0.1	0.1	1.7	5.2	0.2

Standard Packaging: 72-55 lb. bags per pallet. Bulk packaging available

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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