



Low Cement Castables

Cast Data

VIBROCAST ASC-7LTPC

VIBROCAST ASC-7LTPC is a high purity, low-cement, alumina-spinel castable designed to provide maximum resistance to molten steel and steelmaking slags. VIBROCAST ASC-7LTPC is formulated to be installed by pumping or shotcreting installation methods in steel ladles and related steelmaking applications.

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

Bulk Density:

After 1500°F (815°C): 175 lbs/ft³ (2800 kg/m³)
After 2910°F (1600°C): 173 lbs/ft³ (2736 kg/m³)

Cold Crushing Strength:

After 1500°F (815°C): 1500- 3000 psi (105-210 kg/cm²)

Modulus of Rupture:

After 2910°F (1600°C): 1700- 2200 psi (119-154 kg/cm²)

Permanent Linear Change (%):

After 2910°F (1600°C): -0.1 to +0.5

Typical Chemical Analysis (%):

Al ₂ O	SiO ₂	Fe ₂ O ₃	CaO	MgO	Others
95.7	0.1	0.1	1.4	2.3	0.4

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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