

Vibratables

Provisional Product Data

MightyAgg ASC1

MightyAgg ASC1 is a high purity, low-cement, alumina-spinel castable designed to provide excellent resistance to molten steel and steelmaking slags.

MightyAgg ASC1 is a very coarse grained product with over 60% of aggregate particles greater than 2mm. It is designed specifically for in house production of large cast shapes and is not suitable for in-situ casting.

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

Mixing Water Less Than 3% By Wt.

Apparent Porosity

@1600°C 11 - 13 %

Bulk Density:

@110°C 3120 – 3220 kg/m³ (195 - 201 Lbs/ft³)
 @1600°C 3080 – 3180 kg/m³ (192 - 199 Lbs/ft³)

Cold Crush Strength

@1600°C 900 – 1300 Kg/cm² (13000 - 19000 Psi)

Modulus of Rupture:

2910°F (1600°C) 280-385 kg/cm² (4000 - 5500 Psi)

Permanent Linear Change(%):

110°C – 1600°C 0.0 to + 0.20

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	Alk	Other
95.9	0.09	0.05	1.1	2.38	0.37	0.11

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet