

SPARCAST ES-C

SPARCAST ES-C is a low iron extreme service castable designed for petrochem applications such as transfer lines, J-bends, overhead lines and other areas where high strength and excellent abrasion resistance is required.

PHYSICAL PROPERTIES

Maximum Service Temperature	2700°F
Water Required for Casting	9.25 to 9.75% by weight
Bulk Density, lbs/ft ³ After Heating to 1500°F	128 - 132
Cold Crushing Strength, psi After Heating to 1500°F	9000 - 13000
Modulus of Rupture, psi After Heating to 1500°F	1300 - 1800
Linear Change, % After Heating to 1500°F	-0.0 to -0.3
Erosion Resistance (ASTM C704) After Heating to 1500°F	Max. 10 cc loss. (Typical: 7 - 9 cc loss)

Thermal Conductivity:

<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u>
500°F	7.0
1000°F	7.8
1500°F	8.2

Typical Chemical Analysis, %

Al ₂ O ₃	53.8
SiO ₂	35.9
CaO	7.6
TiO ₂	1.3
Fe ₂ O ₃	0.8
MgO	0.2
Alkalies	0.4

The above are average results and do not constitute a specification.

SPARCAST ES-C is available in 50# bags, 1000#, 1500# and 2000# bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to variations in manufacturing, testing, and installation procedures in the field.