

SPARCON 60-25P

SPARCON 60-25P is an alumina – silicon carbide, low-cement, specialty refractory that is designed to be installed by vibration casting, pumpcasting or shotcreting. It offers high strength and excellent abrasion resistance.

PHYSICAL PROPERTIES

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| Maximum Service Temperature | 2800°F (Oxidizing Conditions) 3000°F (Reducing Conditions) |
| Mix Water Required (pumpable consistency) | 4.40 – 5.50% by weight |
| Dry castable Requirement | 171 - 178 lbs/ft ³ |
| Modulus of Rupture After Heating to 1500°F | 1700 – 2700 lbs/sq.in |
| Cold Crushing Strength After Heating to 1500°F | 10000-15000 lbs/sq.in |
| Abrasion Resistance (ASTM C-704) | Less than 9.0 cc.loss (Typical: 4 to 6 cc loss) |
| Linear Change, % After Heating to 1500°F | -0.0 to -0.4 |
| Thermal Conductivity: (BTU/ft ² /Hr/°F/in.) | |
| At 500°F | 23.0 |
| At 1200°F | 21.4 |
| At 1800°F | 21.1 |
| Typical Chemical Analysis, % | |
| Al ₂ O ₃ | 61.9 |
| SiO ₂ | 8.3 |
| CaO | 1.3 |
| SiC | 25.7 |
| TiO ₂ | 1.7 |
| Fe ₂ O ₃ | 0.8 |
| Alkalies | 0.3 |

SPARCON 60-25P is available in 55[#] bags and bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

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