

TECHNICAL DATA SHEET**SILACAST 165RFT**

Silacast 165 RFT is a high alumina, low iron, dense refractory castable which includes synthetic fibres to assist rapid dry out. - Suitable for high temperature applications which require good resistance to abrasion and thermal cycling.

Application Data

Maximum Service Temperature	1600 ^o C
Dry Quantity Required	2200 - 2300 kg/m ³
Water Required	10%
Installation Method	Casting
Shelf Life	12 Months
Normal Packaging	40 x 25kg bags

Physical Properties

Temperature	Bulk Density	Cold Crushing Strength	Modulus Of Rupture	Permanent Linear Change	Abrasion Resistance
^o C	kg/m ³	MpA	MpA	%	cc
110	2290	55	-	-0.1 to 0.0	-
1000	2120	40	-	-0.2 to -0.1	10-15
1400	-	-	-	-	-

Thermal Properties

Mean Temperature	500 ^o C	1000 ^o C	1200 ^o C	1400 ^o C
W/mK	1.10	-	1.15	-

Typical Chemistry

Al ₂ O ₃	SiO ₂	CaO+MgO	Fe ₂ O ₃	TiO ₂	Alkalis
68.0%	22.5%	6.3%	0.80%	1.30%	0.0%

All data is compiled from routine testing under controlled conditions to Australian Standard AS1774 & ASTM standards where applicable, and does not constitute a specification. No guarantee or warranty is implied and users assume all risks and liabilities arising from the use of this information, which is subject to review whenever necessary.