

General Duty Castables

Product Data

RESCOCAST 17(SP)

Rescocast 17(SP) is a 60% Alumina, low iron General Duty Castable. This product is recommended for Pre-cast Shapes or new and full lining designs using anchored construction. This is a fine grained Casting Grade with easy to install characteristics. **Rescocast 17(SP)** has good strength, thermal shock and abrasion resistance.

Maximum Service Temperature: 1650°C

Bulk Density:

Fired to 815°C 2080 – 2180 kg/m³

Cold Crushing Strength:

Fired to 815°C > 450 kg/cm²

Fired to 1600°C > 500 kg/cm²

Modulus of Rupture:

Fired to 815°C > 85 kg/cm²

Erosion Loss (ASTM C704):

Fired to 815°C < 15 cc

Permanent Linear Change(%):

Green to 815°C 0.0 to -0.3

Typical Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	6.5	0.94
1500°F (815°C)	7.0	1.00
2000°F (1095°C)	7.4	1.07

Chemical Analysis(%):

	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO+MgO	Alkalies
Spec;	>60.0	<35.0	<1.00	<2.5	<5.0	<0.5
Typical	60.2	32.7	0.7	1.6	4.3	0.2

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