



Brick

Product Data

RESCAL 70DI CLAY-AL/HIGH ALUMINA

<u>Pyrometric Cone Equivalent:</u>	Cone 38+
<u>Bulk Density:</u>	167 lb/ft ³ (2.67 g/cm ³)
<u>Cold Crushing Strength:</u>	8000 psi (55 MPa)
<u>Modulus of Rupture:</u>	
70°F (21°C)	2400 psi (16 MPa)
2300°F (1260°C)	800 psi (5.5 MPa)
2700°F (1480°C)	300 psi (2.1 MPa)
<u>Load Test:</u>	
25 psi (172 KPa)	4.0 % Subsidence @ 2640°F (1450°C)
<u>Reheat Test:</u>	
After 5 hours at 2910°F (1600°C)	+4.5 % Linear Change
<u>Apparent Specific Gravity:</u>	3.0
<u>Apparent Porosity(%):</u>	12

Chemical Analysis(%): (calculated)

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	Na ₂ O – K ₂ O	MgO
20.2	73.1	1.6	3.4	0.23	0.83	0.25

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