



Technical Data

Rescal B80PC

HIGH ALUMINA, HIGH STRENGTH BRICK

PHYSICAL PROPERTIES (ASTM procedures used where applicable)	<table border="0"> <tr> <td>Bulk Density: (lb/ft³)</td> <td>166</td> </tr> <tr> <td>Modulus of Rupture: (lb/in²)</td> <td>2,170</td> </tr> <tr> <td>Cold Crushing Strength: (lb/in²)</td> <td>11,600</td> </tr> <tr> <td>Apparent Porosity, %:</td> <td>15.0</td> </tr> <tr> <td>Permanent Linear Change, %: 2910°F (1600°C) & 5 Hours</td> <td>+1.6</td> </tr> </table>	Bulk Density: (lb/ft ³)	166	Modulus of Rupture: (lb/in ²)	2,170	Cold Crushing Strength: (lb/in ²)	11,600	Apparent Porosity, %:	15.0	Permanent Linear Change, %: 2910°F (1600°C) & 5 Hours	+1.6						
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CHEMICAL ANALYSIS (Ignited)	<table border="0"> <tr> <td>Al₂O₃</td> <td>77.0</td> </tr> <tr> <td>SiO₂</td> <td>14.0</td> </tr> <tr> <td>Fe₂O₃</td> <td>1.7</td> </tr> <tr> <td>TiO₂</td> <td>3.1</td> </tr> <tr> <td>CaO</td> <td>0.3</td> </tr> <tr> <td>MgO</td> <td>0.2</td> </tr> <tr> <td>P₂O₅</td> <td>3.3</td> </tr> <tr> <td>Alkalies</td> <td>0.4</td> </tr> </table>	Al ₂ O ₃	77.0	SiO ₂	14.0	Fe ₂ O ₃	1.7	TiO ₂	3.1	CaO	0.3	MgO	0.2	P ₂ O ₅	3.3	Alkalies	0.4
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