



PRODUCT DATA

Brand Name: PERECON

Description: Burned, Hydration Resistant, Magnesia Brick

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
	<u>lb/ft³</u>	<u>kg/m³</u>
<u>Bulk Density:</u>	176	2819
<u>Apparent Porosity (%) :</u>	17.7	17.7
	<u>lb/ft²</u>	<u>N/mm²</u>
<u>Cold Crushing Strength (psi)</u> At 70°F (21°C)	7820	53.9
<u>Modulus of Rupture (psi)</u> At 70°F (21°C) :	3290	22.2
At 2300°F (1260°C) :	290	2.0
<u>Permanent Linear Change (%)</u> After Heating to 3000°F (1650°C) :	-0.3	-0.3
<u>Load Test 25 psi (1.8kg/cm²)</u> Withstands Load to:	At 2850°F (1566°C)	

Typical Chemical Analysis (%)
(Calcined Basis)

Alumina (Al ₂ O ₃)	0.4 %
Silica (SiC ₂)	1.9
Iron Oxide (F _ε ₂ O ₃)	1.0
Lime (CaO)	1.7
Magnesia (MgO)	94.8
Boric Oxide (B ₂ O ₃)	0.2
Titania (TiO ₂)	Trace

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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