



PRODUCT DATA

Brand Name: PERECON TI

Description: Burned, Hydration Resistant, Magnesia Brick ,
Tar Impregnated

<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>	186	2979
<u>Apparent Porosity (%) :</u>	17.7	17.7
	<u>lb/ft²</u>	<u>N/mm²</u>
<u>Cold Crushing Strength (psi)</u>	9030	62.3
At 70°F (21°C)		
<u>Modulus of Rupture (psi)</u>		
At 70°F (21°C) :	2210	15.2
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)	
<u>Typical Chemical Analysis (%)</u> (Calcined Basis)		
Alumina (Al ₂ O ₃)	0.4 %	
Silica (SiO ₂)	1.9	
Iron Oxide (Fe 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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