



PRODUCT DATA

Brand Name:

PATRIOT HF

Description:

HIGH FIRED, SUPER DUTY, CARBON MONOXIDE RESISTANT BRICK

Physical properties shown are averages based on standard brick sizes.

ASTM test methods used where applicable

Bulk Density (pcf)

As Received	144.0	(2.30 g/cm ³)
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Modulus of Rupture (psi)

At 70°F (21°C)	1200	(84.4 kg/cm ²)
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Cold Crushing Strength (psi)

At 70°F (21°C)	7500	(525 kg/cm ²)
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Apparent Porosity (%)

As Received	17.2
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Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	50.9
Magnesia (MgO)	0.4
Silica (SiO ₂)	42.9
Iron Oxide (Fe ₂ O ₃)	1.7
Lime (CaO)	0.3
Titania (TiO ₂)	2.3
Phosphorus Pentoxide (P ₂ O ₅)	1.0
Alkalis (Na ₂ O+K ₂ O)	0.4

Brand Code: 7197

The properties shown on this data sheet represent typical average results 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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02/01/2021 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

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