



Brick

Product Data

EAGLE[®] 6 MO

EAGLE[®] 6 MO is a resin bonded, magnesia carbon brick with 6% carbon. High temperature strength and oxidation resistance is generated by metallic addition. This makes the product suitable for severe impact/abrasion areas of steel ladles and zones where oxidation or corrosion is of concern.

Physical Properties

Bulk Density	188 lb/ft ₃	3.01 g/cm ³
Modulus of Rupture.....	1500 lb/in ₂	10.3 MPa
Apparent Porosity	4%	
Residual Carbon	5-7%	

Coked Properties

Apparent Porosity	11.0%
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Hot Modulus of Rupture

@ 2550°F (1400°C)	2200 lb/in ²	15.2 MPa
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CHEMICAL ANALYSIS - (loss free) mass %*

Magnesia - MgO	96.9%
Lime - CaO	2.3%
Silica SiO ₂	0.4%
Iron Oxide - Fe ₂ O ₃	0.2%
Alumina - Al ₂ O ₃	0.2%

*Carbon and antioxidant free analysis

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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