



Brick

Product Data

DIBOND® 605 HP

DIBOND® 605 HP is a direct bonded magnesia chrome product of the 60% magnesia class, fired to extremely high temperatures. The high level of direct secondary chrome spinel bonding produces a tight textured, low porosity and very high hot strength brick. DIBOND® 605 HP is suitable for arduous secondary steelmaking applications.

	<u>lb/ft³</u>	<u>kg/m³</u>
BULK DENSITY	200	3204
APPARENT POROSITY	15.7%	
	<u>lb/in²</u>	<u>N/mm²</u>
MODULUS OF RUPTURE	1440	9.9
HOT MODULUS OF RUPTURE	490	3.4
AT 2700°F (1480°C)		
COLD CRUSHING STRENGTH	7130	49.2

CHEMICAL ANALYSIS - (Calcined Basis)

Magnesia (MgO) :	61.7%
Chromia (Cr ₂ O ₃) :	16.6%
Alumina (Al ₂ O ₃) :	8.4%
Iron Oxide (Fe ₂ O ₃) :	10.1%
Silica (SiO ₂) :	1.8%
Lime (CaO) :	1.4%

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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