



Brick

Product Data

NULINE 5 DG

Classification: Resin Bonded, Magnesia-Carbon Brick
5 % Carbon Class
Strength and Antioxidants Additions

| <u>Physical Data: (Typical)</u> | <u>English Units</u> | <u>SI Units</u> |
|---------------------------------|-------------------------------|------------------------------|
| Bulk Density | $\frac{\text{lb/ft}^3}{184}$ | $\frac{\text{kg/m}^3}{2940}$ |
| Coked Properties | | |
| Density | 180 | 2880 |
| Porosity, % | | 11.5 |
| Total Carbon, % | | 4.9 |
| Modulus of Rupture | $\frac{\text{lb/in}^2}{2900}$ | $\frac{\text{MPa}}{20.01}$ |
| At 70°F (21°C) | | |

Chemical Analysis %: (Approximate)
(Calcined Basis)

| | | |
|------------|-----------------------------------|------|
| Silica | (SiO ₂) | 2.0% |
| Alumina | (Al ₂ O ₃) | 8.0 |
| Iron Oxide | (Fe ₂ O ₃) | 0.2 |
| Lime | (CaO) | 1.7 |
| Magnesia | (MgO) | 88.1 |

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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