



Product Data Sheet

Product Description	Dymax AN	
	Direct bonded magnesite chrome based on high Cr ₂ O ₃ content fused magnesite chrome grain	
	SI	Imperial
Chemical Analysis (%)		
SiO ₂		2.10
Fe ₂ O ₃		11.0
Al ₂ O ₃		7.5
Cr ₂ O ₃		19.5
CaO		1.3
MgO		59.0
Physical Properties		
Apparent Porosity (%)		15.5
Bulk Density (g/ml) (lb/ft ³)	3.24	201.9
Cold Crushing Strength (MN/m ²) (lb/in ²)	60	8700
Permanent Linear Change on Reheating (%)		
2h @1700°C		0.1
Modulus of Rupture (MN/m²) (lb/in²)		
0025°C	12	1740
1400°C (2552°F)	9	1305
1500°C		
Reversible Thermal Expansion (%)		
20 - 1000°C		0.95
20 - 1200°C		1.25
20 - 1400°C		1.5
Thermal Conductivity (w/mK) (BTU ft²h°F)		
Mean Temperature 500°C	4.8	22.3
Mean Temperature 700°C	4.3	29.8
Mean Temperature 900°C	4.0	27.7
Mean Temperature 1300°C	3.5	24.3

Date of Issue January 05, 2007

Version 01

The data presented are typical, and not contractual conditions of acceptance. The data presented are average values obtained by laboratory testing of production volumes. The extent and frequency of such testing is defined by the internal procedures of the Quality Management System according to EN ISO 9001:2000 standard.

All rights are reserved to make modifications and updates to the presented data.