

CHROME ALUMINA

Chemical Analysis (Standard)	
%	typical
Al ₂ O ₃	85
Cr ₂ O ₃	11
SiO ₂	< 0.05
Fe ₂ O ₃	0.05
TiO ₂	< 0.01
CaO	< 0.01
MgO	1.1
Na ₂ O	0.05
K ₂ O	2.7
P ₂ O ₅	< 0.02

Physical Properties		
	typical	
Bulk density	3.6 – 3.8	g/cm ³
Hardness (Mohs)	8.4	
Melting point	1920	°C

Other information

This mineral is produced during the aluminothermic process for chromium metal. Chrome alumina has very good hardness, no free silica, high temperatures resistance, good thermal shock, as high resistance against abrasion.
Uses: refractories, abrasives, industrial hardened flooring, shot blasting, road surfacing.