



## EL-70 GUN, E, AND N

### FUSED CALCIUM ALUMINATE CEMENT FOR REFRACTORIES

#### ABOUT:

EL-70 is calcium aluminate cement obtained from fusion of high purity bauxite and calcium carbonate in electric arc furnaces. It is ball milled with alumina addition which makes EL-70 an ideal product for special refractory applications.

#### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	67.42%
SiO <sub>2</sub>	3.04
Fe <sub>2</sub> O <sub>3</sub>	0.42
MgO	0.34
CaO	28.10
Na <sub>2</sub> O	0.13

#### TYPICAL PHYSICAL PROPERTIES

Refractoriness:	1,605° C
Residue on 44 µm:	0.27%
Specific Surface Area (Blaine):	4,941 cm <sup>2</sup> / g

#### MINERALOGICAL COMPOSITION (XRD)

Predominant Phase:	CA (Calcium Aluminate)
Secondary Phases:	CA <sub>2</sub> and α - alumina C = CaO; A = Al <sub>2</sub> O <sub>3</sub>

GRADE	SETTING TIME (h)
GUN	0:30 to 2:00
E	2:05 to 4:00
N	4:05 to 10:00

# USEM

U.S. ELECTROFUSED MINERALS, INC.

600 Steel Street, Aliquippa, PA 15001

Phone: 800-927-8823

email: [info@usminerals.com](mailto:info@usminerals.com)

[www.usminerals.com](http://www.usminerals.com)



**ELECTRO  
ABRASIVES**

701 Willet Road, Buffalo, NY 14218

Phone: 716-822-2500

Email: [info@electroabrasives.com](mailto:info@electroabrasives.com)

[www.electroabrasives.com](http://www.electroabrasives.com)



GRUPO CURIMBABA

Updated: 04/13

The information contained in this data sheet has been determined through the application of accepted engineering practice and is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results to be obtained from use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will make your own tests to determine the suitability of the product for your particular use.