

SLN[®] FERRONICKEL SHOT



SLN[®] 25 BRINGING VALUE TO STAINLESS STEEL MAKERS

ERAMET is the world's leading producer of ferronickel. SLN[®] ferronickel shot is produced at the Doniambo smelter in New Caledonia. It is specifically designed for continuous controlled feeding to arc furnaces and converters in steelworks.

SLN[®]

FERRONICKEL SHOT

Ferronickel is defined by the ISO 6501 standard which SLN[®] 25 is fully compliant with.

ANALYSIS

	Typical	Guaranteed
Ni	20 – 28 %	
C	1.20 – 2.20 %	
Si	0.30 – 2.10 %	
S	0.050 %	Max. 0.070 %
P	0.014 %	Max. 0.020 %
Cr	0.65 %	
Co	1/35th of Ni content	

PHYSICAL PROPERTIES

SLN[®] 25 is available in shot form:

- Grain size: approx.. 4 – 60 mm
- Free of fines
- Bulk density: 3.6 – 4.1 g / cm³
- Angle of repose: 40 – 50°
- Product supplied dry
- Magnetic

PACKAGING & HANDLING

SLN[®] 25 is supplied in bulk form. It was developed for use in automatic handling and storage equipment, it can be handled with:

- electro-magnet
- buckets
- belt conveyors
- vibrating conveyors
- bucket conveyors



VARIETY OF APPLICATIONS

SLN[®] 25 can be used in all types of equipment for the production of special steel and alloyed cast iron:

- AOD converter
- Electric Arc Furnace EAF
- Oxygen converter
- VOD equipment
- Induction furnace

CUSTOMERS USAGE VALUE

- **At least 3 tonnes of pure iron provided with each tonne of nickel.**
- **Simplified raw material management** with consistency of SLN[®] 25 analysis thanks to supply integration from mine to refinery.
- **Optimized storage and handling** at customer site with industrial packaging in bulk containers and one analysis per significant size lot (up to 500 tonnes Ni contained) thanks to homogenising equipment
- **Savings in production costs** due to moderate cooling capacity being 30% lower than stainless scrap or low carbon ferronickel and approximately 4 times lower than nickel oxides.
- **Extremely low presence of harmful elements** in which respect SLN[®] 25 differs from certain ferro-alloys and scrap, which contain harmful impurities that cannot be eliminated during production.

Content of harmful trace elements:

Cu	< 200 ppm	Sn	< 2 ppm
Zn	10 to 40 ppm	Pb	< 5 ppm
As	< 7 ppm	Bi	< 0.1 ppm
Ag	< 0.2 ppm	Sb	< 2 ppm

Contact and information: info.nickel@erametgroup.com - www.eramet.com



ERAMET