

MODIFIKATOR SL Ba

MODIFIERS FOR GRAY CAST IRON

DESCRIPTION

MODIFIKATOR SL Ba contains calcium and barium, which assures good inoculation properties after a very prolonged time of molten metal staleness after inoculation.

Excellent characteristic of **MODIFIKATOR SL Ba** is that gives lower hardness at the same strengths in comparison with inoculants with zirconium. **MODIFIKATOR SL Ba** has a very prolonged time of efficiency.

USE

The addition of the **MODIFIKATOR SL Ba** depends on metallurgy conditions of melt and temperature, way and place of inoculation. 0,1 to 0,5 % of inoculant is used per mass of melt. Different contents of barium impact on required time of modification.

PACKING

Inoculants are packed in natron bags with polyethylene bags inside at net 40 kg each. 25 bags are packed on pallet and wrapped with PVC foil.

STORING AND TRANSPORT

MODIFIKATOR SL Ba must be stored in covered, dry stores, protected against atmospheric influences. No ignition sources, open fires and smoking are allowed in its surrounding.

According to the European regulation for international road transport, **MODIFIKATOR SL Ba** is a dangerous substance. It is classified in ADR Class 4.3, packing group III. Amount allowed to be carried by vehicles without ADR equipment is 1000 kg max.

PROPERTIES

MODIFIKATOR SL Ba is produced in different granulations and qualities, which are presented below.

Physical state dark grey powder

| Modifier | Ba content | Si content | Ca content | Al content | Granulation |
|---------------------|------------|------------|------------|------------|-------------|
| SL 6 Ba 1-7 mm | 2,2% min | 67 – 72% | 1,5% min | 1,9% max | 0,63 – 7 mm |
| SL 6 Ba 1-3 mm | 2 – 2,5% | 67 – 72% | 2 – 2,5% | 1,9% max | 0,63 – 3 mm |
| SL 25 Ba 0,2–0,7 mm | 2,2% min | 67 – 72% | 1,4% min | 1,9% max | 0,2-0,7 mm |
| SL 12 Ba 0,2-0,7 mm | 1,2% min | 67 – 72% | 1,4% min | 1,9% max | 0,2-0,7 mm |
| SL 50 Ba 1-3 mm | 4,5 – 5,5% | 67 – 72% | 1,4% min | 1,9% max | 0,63 – 3 mm |
| SL 100 Ba 1-7 mm | 9 – 11% | 65 – 70% | 1,4% min | 1,9% max | 0,63 – 7 mm |