



TATA STEEL LTD.

TATA STEEL LIMITED , Bistupur , Jamshedpur

Reg Office : Bombay House , 24 Homi Modi Street , Mumbai – 400 001

Corporate Identity Number : L27100MH1907PLC000260 , Website : www.tatasteel.com

Technical Delivery Condition – Ground Granulated Blast Furnace Slag (GGBS)

TDC No.: IBMD/BD/GGBS/20/01

Revision Date: 01.06.2020

Rev.: 03

Ground-granulated blast-furnace slag (GGBS) is obtained by quenching molten iron slag (a by-product of iron and steel-making) from a blast furnace in water or steam, to produce a glassy, granular product that is then dried and ground into a fine powder.

Product Details

| | |
|--|--|
| Name | Ground Granulated Blast Furnace Slag(GGBS) |
| Material Code No. (at Tata Steel) | 140006991 |
| Category | By-Product |

Physical Properties

| | |
|-----------------|--|
| State | Fine Powder |
| Fineness | 4000-4200 cm ² /gm (Blaine) |
| Moisture | Max. 1% |
| Colour | Whitish |

Chemical Properties

| Elements | Unit | Min | Max | Remarks |
|--|------|-------|-------|---------------------------------|
| SiO ₂ | % | 32.00 | 38.00 | |
| FeO | % | 0.20 | 0.95 | |
| CaO | % | 35.00 | 38.00 | |
| MnO | % | 0.06 | 0.12 | As per IS 16714:2018:- Max. 5% |
| Al ₂ O ₃ | % | 16.00 | 18.00 | |
| Sulphur | % | 0.10 | 0.68 | As per IS 16714:2018:- Max. 2% |
| MgO | % | 9.00 | 9.80 | As per IS 16714:2018:- Max. 17% |
| TiO ₂ | % | 0.50 | 1.20 | |
| Moduli Value [(CaO+MgO+Al ₂ O ₃)/SiO ₂] | | 1.60 | 2.00 | As per IS 16714:2018:- Min. 1% |
| Insoluble Residue | % | 0.70 | 3.00 | As per IS 16714:2018:- Max. 3% |
| Loss of Ignition | % | 0.00 | 0.00 | As per IS 16714:2018:- Max. 3% |
| Glass Content | % | 92.00 | | As per IS 16714:2018: Min. 85% |
| Sampling Procedure | | | | As per IS 12089 |
| Testing Frequency | | | | Fortnightly |

Delivery Condition

Mode of Despatch

50kg bags/ Bulkers

Packing/Bundling

Closed

Other Special Supply Conditions

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Safety

Refer: Material Safety Data Sheet