

Physical and chemical Characteristics for SUPPORBIT INERT BALLS

| PROPERTY | TEST METHOD | UNITS | SUPPORBIT | NOTE |
|---|----------------------------|-----------------------|---|--|
| Composition | (XRF) AH_09 ^(*) | wt% | Al ₂ O ₃ ≥ 89.5 SiO ₂ ≤ 6.5 MgO + CaO ≤ 5.2 BaO ≤ 0.6 Fe ₂ O ₃ ≤ 0.3 Na ₂ O + K ₂ O ≤ 0.6 | (*1) - Internal test method of Laboratorio Chimico Ce.Ri.Col. (Colorobbia Consulting s.r.l.) (*2) - Internal test method of Industrie Bitossi S.p.A. |
| Density | IOS05/02/07 ^(*) | g/cm ³ | ≥ 3.55 | (*3) – The chart is intended to illustrate typical properties determined on test samples. Property values can vary somewhat with method of manufacture, size, and shape of part. Contact Industrie Bitossi S.p.A. for any further information. |
| Rockwell 45 N hardness | IOS14/02/07 ^(*) | - | 80 ± 3 | |
| Water Absorption | IOS29/02/07 ^(*) | vol% | non rilevabile | |
| Compressive Strength (20 °C) ^(*) | Ref. ASTM C773 | MPa | 2500 | |
| Specific heat (100 °C) ^(*) | Ref. ASTM E1269 | J/(kg K) | 920 | |
| CTE (25-1000 °C) ^(*) | Ref. ASTM C372 | 10 ⁻⁶ / °C | 8.2 | |
| Max application temperature ^(*) | - | °C | 1430 | |

M132-07 Ed.04 del 31/01/2018
 SUPPORBIT SPECIFICATION

Approvato dal Responsabile DCT

