

STONEMILL

catalysts

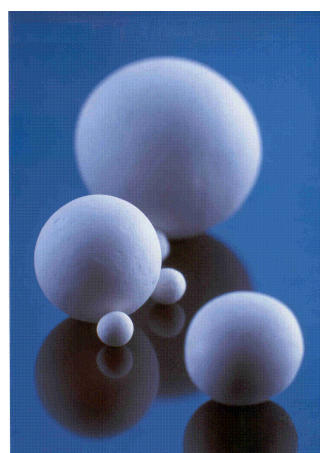
CERAMIC FILLINGS

Ceramic balls

SIZES : from 1/8" (3 mm) to 2" (51 mm)

Chemical composition :

| | |
|---|---------|
| Al ₂ O ₃ | 21-25% |
| SiO ₂ | 67-71% |
| Fe ₂ O ₃ + TiO ₃ | < 1.5 % |
| MgO +CaO | < 1 % |
| Na ₂ O+ K ₂ O | < 5 % |



Physical Properties :

| | |
|---------------------|-------------------------------|
| Particle density | 2.3 -2.4 (g/cm ³) |
| Mohs hardness | 6.5 |
| Water adsorption | < 0,5 % |
| Thermal resistance | 980 °C |
| Cooking temperature | 1200°C |

| Diameter | Diameter | Surface space | Bulk density | Crush strength |
|-----------------|-----------------|--------------------------------|---------------------|-----------------------|
| inches | mm | m ² /m ³ | kg/m ³ | kN/piece |
| 1/8 | 3 | 720 | 1400 | > 0.1 |
| 1/4 | 6 | 520 | 1400 | > 0.4 |
| 3/8 | 10 | 360 | 1400 | > 0.8 |
| 1/2 | 13 | 280 | 1400 | > 1.2 |
| 5/8 | 16 | 220 | 1400 | > 1.5 |
| 3/4 | 19 | 180 | 1350 | > 1.8 |
| 1 | 25 | 130 | 1300 | > 2.5 |
| 1 1/2 | 38 | 90 | 1300 | > 3.5 |
| 2 | 51 | 70 | 1300 | > 6.0 |