

Minolite™ **expanded glass granulates** are available in a wide range of grain sizes from **0.25 mm to 16 mm**, offering versatile lightweight aggregate solutions for a variety of applications. Produced from **recycled glass waste**, Minolite™ is a **CO₂-free and fully sustainable product**, representing a truly **green alternative** for modern construction and industrial materials.



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TECHNICAL DATA SHEET

| Minolite properties | Standard | The standard filler product range | | | | |
|---------------------------------------|----------------|-----------------------------------|---------|---------|---------|---------|
| Granular size in mm | - | 0.5-1 | 1- 2 | 2-4 | 4-8 | 8-16 |
| Bulk density (kg/m ³) | EN 993-1 | 320±10% | 290±10% | 270±10% | 250±10% | 230±10% |
| Particle density (kg/m ³) | EN 1097-6 | 470 | 470 | 470 | 450 | 400 |
| Crushing resistance (MPa) | EN 13055-1 | 1,25 | 1,80 | 1,80 | 5 | 5 |
| Oversize (% By mass) | EN 993-1 | < 0,2 | < 1,6 | < 1,4 | 0 | < 1,4 |
| Undersize (% By mass) | EN 993-1 | < 3 | < 1,4 | < 3 | < 2,9 | < 1,4 |
| Water absorption (By mass 24 hrs) | DIN V 18004 | 4 | 7 | 6 | 7 | 8 |
| Color | - | Light grey | | | | |
| Alkali test expansion (% 14 days) | UNI 8520/11504 | < 0,07 | < 0,08 | < 0,08 | < 0,06 | < 0,08 |
| Resistance to Freeze/Thaw | EN 13055-1 | * | * | * | * | * |

*No disintegration observed

CHEMICAL ANALYSIS

| Constituent | Applied to the sample dried at 105°C | Analysis method |
|--------------------------------|--------------------------------------|---------------------------------------|
| SiO ₂ | 67-72 % | DIN EN ISO 12677 measured with XRF |
| Na ₂ O | 12-14 % | |
| CaO | 5-11 % | |
| Al ₂ O ₃ | 0.5-5 % | |
| MgO | 0-5 % | |
| K ₂ O | 0-0.6 % | |