

Pitch Stone

Mineralogical-Petrographical Features

- Microscopical description
Biocalcarene o "Grainstone" of Dunham.
Altered Rock at medium sandstone grain with advanced processes of recrystallization.
Medium porosity, amber-coloured. Calcareous composition, the low value of the calcimetry is due to the presence of bitumen.
- Calcimetry CaCo₃ = 32,3%

Physical and Mechanical Features

- Imbibition:
 - After 2 days: 1,88%
 - After 7 days: 2,86%
 - After 14 days: 3,50%
- Specific weight: 2.178 Kg/mc.
- Compression resistance 133 Kg/cm².
 - To saturation: 152 Kg/cm².
- Compression resistance after freezing/thawing cycles : 128 Kg/cm².
- Bending strength: 51,9 Kg/cm².
- Breaking proof: 213 cm (height in cm on fallen cast iron ball of 1 Kg on tile 40x40x2 cm).
- Elastic module: 26082 N/mm².
- Abrasion resistance: 3,24 gr. (loss of weight for TABER abrasion after 100 rotation of an applied weight of 500 gr.)
- Thermal expansion coefficient: 1,53 x 10⁻⁶ °C

N.B.: data supplied by the manufacturer