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**Crushed vs. Normal Granule**  
**Testing Method: ASTM D854-83 Specific Gravity Test**

Material	80% - 20% Sand/Isolite Mix	Isolite crushed to less than 0.1 mm	Isolite 1 mm	Isolite 2 mm
Particle Density	2.326	2.303	2.271	2.213

Formula for Total Porosity:  $TP = \frac{BD}{1 - PD} \times 100$

Crushed Isolite Particle Density = 2.303

Crushed Isolite Bulk Density = .6

Therefore: Total Porosity =  $\frac{.6}{1 - 2.303} \times 100 = 74\%$



**Isolite®CG – 2mm**

This test indicates that even when Isolite is crushed to particle sizes of less than .1 mm, Isolite ® CG still retains 74% porosity.

Data supplied by an independent laboratory via Turf Diagnostics & Design.

**Isolite®CG Properties:**

- Made from **diatomaceous earth** and a small amount of clay particles
- **Chemically inert particle density:** 2.27 (compared to 2.56 for sand)
- **Pore characteristics:** continuous, interconnected and open ended; thereby, permitting easy inoculation with microbes. Because of the internal pores, immobilized microbes are protected from shear kill.
- **Pore size:** 0.1 to 2 microns with 30% being over 1 micron
- **Life expectancy:** Isolite®CG has an indefinite lifetime and can be reused.
- **Steam resistance:** does not break down or soften under steam.