

The fracture is minute foliated, often combined with splintery, and even conchoidal.

The fragments are rather blunt-edged.

It occurs in minute granular concretions.

It is translucent.

It is semi-hard; it is harder than calcareous-spar.

It is brittle.

Specific gravity of the crystals, 2.823, *Tennant*. 2.777, 2.820, *Berger*. 2.791, *Thomson*.

#### Chemical Characters.

It dissolves slowly, and with but feeble effervescence, in nitrous acid. When deprived by heat of its carbonic acid, it is much longer of re-absorbing it from the atmosphere than common limestone.

#### Constituent Parts.

Yorkshire.	Building Hill, near Sunderland.	Humbleton Hill, near Sunderland.
Lime, 29.5 to 31.07	Carbonate of Lime, 56.80	Carbonate of Lime, 51.50
Magnesia, 20.3 to 22.05	Carbonate of Mag-	Carbonate of Mag-
Carbonic	nesia, - 40.84	nesia, - 44.84
Acid, 47.2	Carbonate of Iron, 0.36	Insoluble matter, 1.60
Alumina &	Insoluble matter, 2.00	Loss, - - 2.06
Iron, 0.8 to 1.24	100.00	100.00
<i>Tennant</i> , Phil. Tr. for 1799.	<i>Thomson</i> , Annals of Philosophy, vol. iv. p. 416.	<i>Thomson</i> , ib. p. 417.

#### Geognostic Situation.

In the north of England it occurs in beds of considerable thickness, and great extent, and appears to rest on the Newcastle coal-formation \*; but in the Isle of Man, it occurs in a limestone which rests on grey-wacke, and

G 2

contains

\* *Thomson*, Annals of Philosophy, vol. iv. p. 416.