

Shale				100.0
Limestone				100.0
Dolomite	100.0			100.0
Evaporite		100.0		100.0
Coal			100.0	100.0
Igneous			100.0	100.0
TORQ C				100.0
TORQ AB				100.0
DB				100.0
EVB	2		10	100.0
EVA	2		13	100.0
PEL	1		3	100.0
PALAEO			2	100.0
CRET			1	100.0

## Lithology Values Table

Lithology Name	Initial Porosity	Compaction Factor (FM)	Exponential Factor (SC)	Density (g/cm <sup>3</sup> )	Grain Size (mm)
Sandstone	0.45	1.75	0.27	2.64	0.5
Siltstone	0.55	2.20	0.41	2.64	0.0156
Shale	0.60	2.40	0.51	2.60	0.0004
Limestone	0.60	1.50	0.22	2.72	0.5
Dolomite	0.60	1.50	0.22	2.85	0.5
Evaporite	0.00	0.00	0.00	2.15	0.0004
Coal	0.90	3.50	0.70	1.80	0.0004
Igneous	0.00	0.00	0.00	2.65	0.0001
603208	0.53	2.09	0.38	2.560	0.0288
504010	0.55	2.18	0.40	2.540	0.0141
405505	0.55	2.19	0.42	2.576	0.0069
307000	0.55	2.20	0.43	2.612	0.0033
TORQ C	0.60	1.50	0.22	2.720	0.5000
TORQ AB	0.60	2.31	0.48	2.612	0.0008
DB	0.57	2.24	0.44	2.625	0.0038
EVB	0.53	2.07	0.36	2.554	0.0535
EVA	0.53	2.07	0.36	2.529	0.0678
PEL	0.53	2.08	0.38	2.606	0.0256
PALAEO	0.52	2.07	0.38	2.609	0.0227
CRET	0.55	2.18	0.42	2.614	0.0071

## Lithology Matrix Conductivity Heat Capacity

Lithology Name	Matrix Conductivity (W/m*deg C)	Heat Capacity (kJ/m <sup>3</sup> *deg C)
Sandstone	4.40	2800.
Siltstone	2.00	2650.
Shale	1.50	2100.
Limestone	2.90	2600.
Dolomite	4.80	2600.
Evaporite	5.40	1750.
Coal	0.30	950.0
Igneous	2.90	2500.
603208	3.144	2428.
504010	2.830	2335.
405505	2.600	2322.
307000	2.370	2310.
TORQ C	2.900	2600.