

Parameter	Value	Package
Solid heat capacity	$710 \text{ kJ kg}^{-1} \text{ }^{\circ}\text{C}^{-1}$	RCT
Water reference density	1000 kg m^{-3}	RCT
Solid density	2640 kg m^{-3}	RCT
Water thermal conductivity	$0.58 \text{ W m}^{-1} \text{ }^{\circ}\text{C}^{-1}$	RCT
Solid thermal conductivity	$2.55 \text{ W m}^{-1} \text{ }^{\circ}\text{C}^{-1}$	RCT
Thermal distribution coefficient	$1.7 \times 10^{-4} \text{ m}^3 \text{ kg}^{-1}$	RCT
Thermal retardation	2.21	RCT
Porosity	0.3	BTN
Specific storage aquifer	$6 \times 10^{-4} \text{ m}^{-1}$	LPF
Longitudinal dispersion	0.5 m	DSP
Transversal dispersion	0.05 m	DSP
Vertical dispersion	0.005 m	DSP
Effective molecular diffusion heat	$0.15 \text{ m}^2 \text{ day}^{-1}$	DSP
Effective molecular diffusion salt	$8.64 \times 10^{-6} \text{ m}^2 \text{ day}^{-1}$	DSP