

Parameters	Symbol	Values	Units
Rheological parameter in the Arrhenius law	$A_0 (T < -10\text{ }^\circ\text{C})$	3.985×10^{-13}	$\text{Pa}^{-3} \text{s}^{-1}$
	$A_0 (T > -10\text{ }^\circ\text{C})$	1.916×10^3	$\text{Pa}^{-3} \text{s}^{-1}$
Activation energy in the Arrhenius law	$Q_0 (T < -10\text{ }^\circ\text{C})$	-60	kJ mol^{-1}
	$Q_0 (T > -10\text{ }^\circ\text{C})$	-139	kJ mol^{-1}
Gravitational constant	g	9.8	m s^{-2}
Exponent of Glen flow law	n	3	
Density of ocean water	ρ_w	1025	kg m^{-3}
Density of ice	ρ_i	900	kg m^{-3}