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## Specific Heat vs. Temperature

**Specific Heat** is the measure of the amount of energy needed to raise the temperature of 1g of a fluid by 1°C. Specific heat is also measured in the following units:

J/g °C,  
J/g · K,  
cal/g °C  
Btu/lb °F

Below is a chart showing the relationship between temperature & Specific Heat.

**Specific Heat (J/g · K) @ temperature**

Temp	PSF-5cSt	PSF-10cSt	PSF-20cSt
-60°C	1.51		
-40°C	1.54	1.50	1.44
-20°C	1.57		
0°C	1.61	1.58	1.508
25°C	1.65		
40°C	1.67	1.64	1.574
60°C	1.71		
80°C	1.77	1.71	1.643
120°C		1.78	1.712
160°C		1.85	
200°C		1.92	
240°C		1.99	