

AXIOTHERM® PCMs are designed to absorb and release large quantities of thermal energy at constant temperatures. Over 30 organic (ATP) and inorganic (ATS) high-performance PCM in a temperature range between -40 °C to 140 ° are available in special macro-encapsulated form with an optimized surface-to-mass ratio for faster energy exchange and improved performance in practical applications. Standardised solutions such as our HeatSel®s and HeatPlates are available for water and air-based applications and can be adapted to your specific requirements.

Key features of the AXIOTHERM® PCM are:

- High heat storage capacities
- Consistent, repeatable performance over thousands of thermal cycles
- Simple and safe handling
- Also based on renewable raw materials, nontoxic and biodegradable

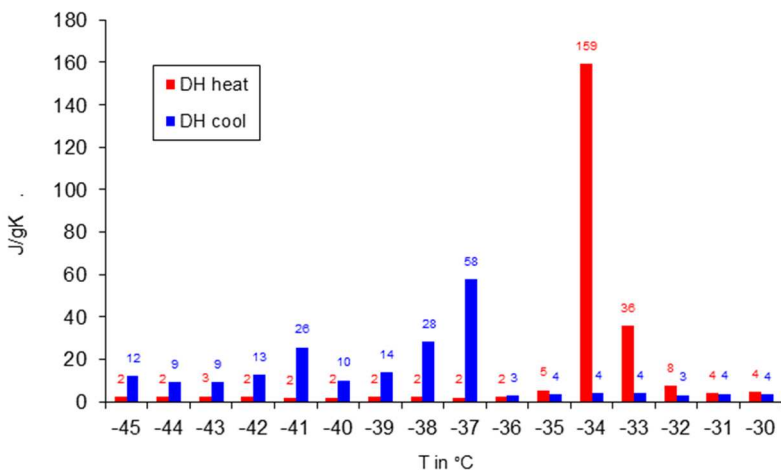


Typical Values

<b>Melting temperature</b>	°C	-34 to -32
<b>Congeeing temperature</b>	°C	-42 to -37
<b>Heat storage capacity*</b> temperature range of -45 – -30°C	kJ/kg	240
<b>Specific heat capacity</b>	kJ/kg*K	3
<b>Density (liquid)</b>	kg/l	1,18
<b>Heat conductivity</b>	W/(m*K)	0,6
<b>Volume expansion</b>	%	>6%
<b>Max. operating temperature</b>	°C	40
<b>Flash point</b>	°C	Non-flammable

Corrosion

Corrosive effect on metals



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The product information given is a non-binding planning aid, subject to technical changes without notice.  
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\*Measured with 3-Layer-Calorimeter