

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.

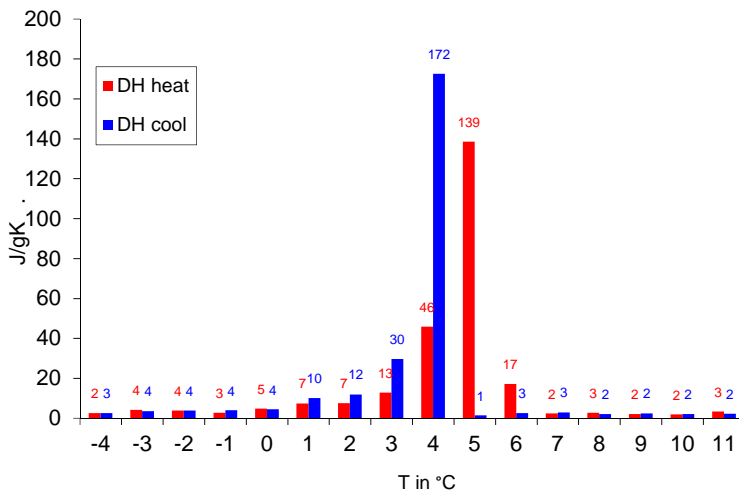
Key features of the AXIOTHERM® PCM are:

- 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	3 to 6
<b>Congeeing temperature</b>	°C	1 to 4
<b>Heat storage capacity*</b> temperature range of -5 – 10°C	kJ/kg	260
<b>Specific heat capacity</b>	kg/kg*K	2
<b>Density (liquid)</b>	kg/l	0,75
<b>Heat conductivity</b>	W/(m*K)	0,2
<b>Volume expansion</b>	%	>10
<b>Max. operating temperature</b>	°C	50
<b>Flash point</b>	°C	>150



**Axiotherm GmbH**  
 Bahnhofstraße 31  
 D-07607 Eisenberg/Thüringen  
 Phone: +49 (0) 36691 53 118  
 Fax: +49 (0) 36691 53 120  
 E-Mail: [Mailbox@axiotherm.de](mailto:Mailbox@axiotherm.de)  
 Web: [www.axiotherm.de](http://www.axiotherm.de)

The product information given is a non-binding planning aid, subject to technical changes without notice.  
 Version: 31.01.2018

\*Measured with 3-Layer-Calorimeter