

## RT62HC



A new generation of ecological heat storage materials utilising the processes of phase change between solid and liquid (melting and congealing) to store and release large quantities of thermal energy at nearly constant temperature. The RUBITHERM® phase change materials (PCM's) provide a very effective means for storing heat and cold, even when limited volumes and low operating temperature differences are applicable.

We look forward to discussing your particular questions, needs and interests with you.

### Properties RT-line:

- stable performance throughout the phase change cycles
- high thermal storage capacity
- limited supercooling
- non toxic
- melting temperature range between -9 °C and 100 °C available

### The most important data:

**Melting area**

**Congealing area**

**Heat storage capacity ± 7,5%**  
Combination of latent and sensible heat in a temperature range of 55°C to 70°C.

**Specific heat capacity**

**Density solid**  
at 25°C

**Density liquid**  
at 80°C

**Heat conductivity**

**max. operation temperature**

**Corrosion**

### Typical Values

**62-63** [°C]

main peak: 63

**62** [°C]

main peak: 62

**230** [kJ/kg]\*

**64** [Wh/kg]\*

**2** [kJ/kg·K]

**0,99** [kg/l]

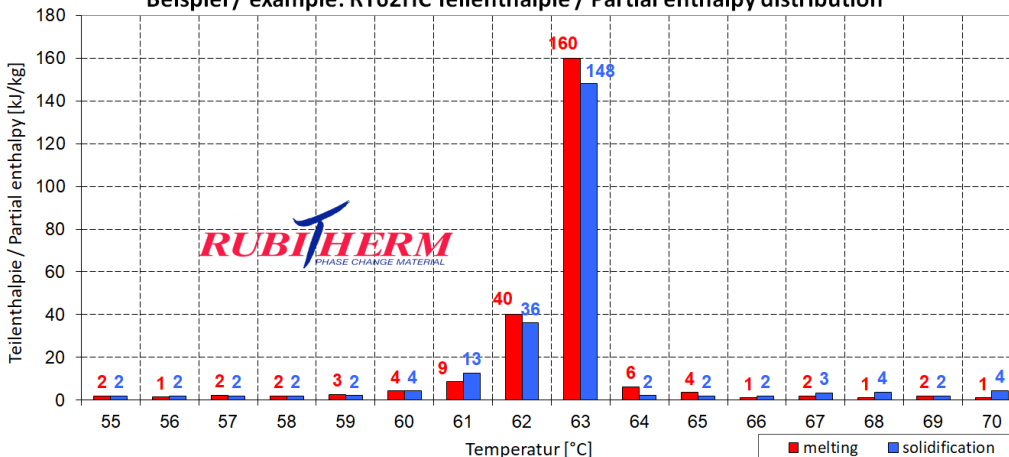
**0,85** [kg/l]

**0,2** [W/(m·K)]

**90** [°C]

**slight corrosive effect on metals**

Beispiel / example: RT62HC Teilenthalpie / Partial enthalpy distribution\*



Rubitherm Technologies GmbH  
Imhoffweg 6  
D-12307 Berlin  
Tel: +49 (30) 7109622-0  
E-Mail: info@rubitherm.com  
Internet: www.rubitherm.com

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\*measured with 3-layer-calorimeter