PureTemp® Thermal Energy Storage Materials

PureTemp thermal energy storage materials offer new levels of performance in storing or releasing large quantities of thermal energy at any given temperature. Our proprietary formulations and patented manufacturing processes yield superior quality biobased phase change materials at cost effective prices.

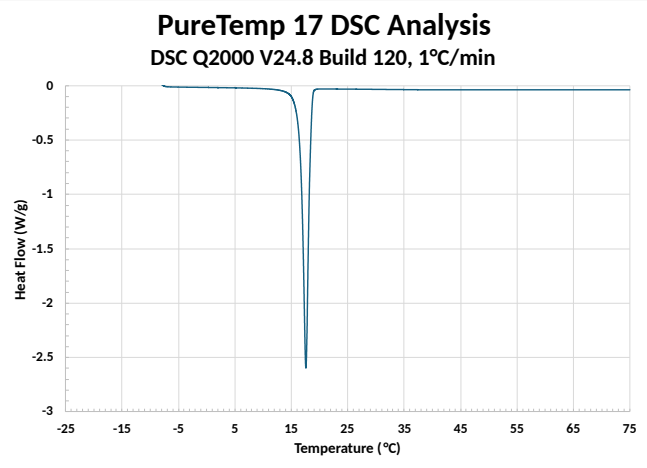
Some key properties:

- Thermal energy storage capacities which average 200 J/g
- Over 200 unique, engineered phase change transition temperatures between -40°C and 151°C
- Consistent, repeatable performance over thousands of thermal (melt/solidify) cycles
- 100% renewable and readily biodegradable – produced from agricultural sources, not petroleum

PureTemp 17 Technical Information

Appearance	Clear liquid, waxy solid
Melting point	17 °C
Heat storage capacity	217 J/g
Thermal conductivity (liquid)	0.14 W/m°C
Thermal conductivity (solid)	0.32 W/m°C
Density (25°C)	~0.77 g/ml
Specific heat (liquid)	2.20 J/g°C
Specific heat (solid)	1.88 J/g°C

Typical physical properties are listed in the table above.



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USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

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