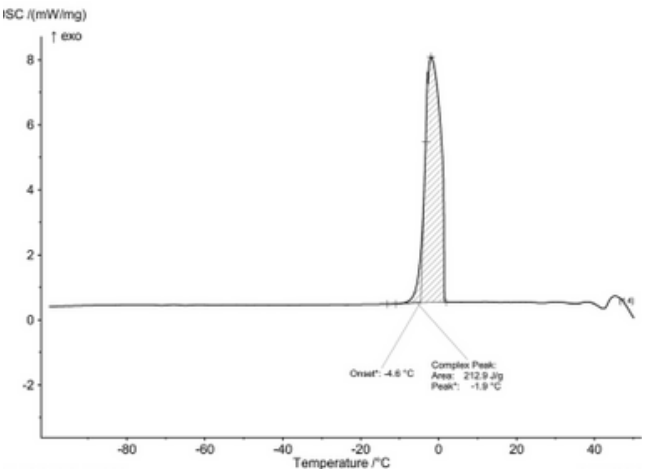
DURATEMP™ 5C PCM
Phase Change Material

DSC Analysis
DuraTemp™ 5C



KEY FEATURES
- High Energy
- Durable to over 3000+ Cycles
- Organic Phase Change Material

PERFORMANCE DATA

Melt Point	**5 C**
Heat Storage Capacity	**~240 j/g**
Specific Heat Liquid	**3.2 j/g**
Specific Heat Solid	**2.1 j/g**
Density Solid	**.81**
Density Liquid	**.77**
Volume Expansion	**5.1**
Heat Conductivity Liquid	0.14 W/m/K
Heat Conductivity Solid	**0.17 W/m/K**
Supercooling	**<.01 C**

APPLICATIONS
i. Thermal energy storage
ii. Cold chain
iii. Transportation
Iv. Building products
v. 100's of other

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