

FARAPACK POLYMERS

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Report: DSC analysis of Checkpoint Standard polyethylene
Customer: Business Lines
Contact(s): Oliver Shorter
Coordinator: Michelle Morgan
Date: 16th November 2010

OBJECTIVES

To determine the melting point of the polyethylene sample Checkpoint Standard.

RESULTS

Specimens for DSC analysis were taken from the samples supplied. Analysis was performed using a Perkin-Elmer Pyris 1 DSC. The temperature profile utilised was as follows:

- 1) Heat from 25°C to 180°C at 10°C per minute (blue line)
- 2) Cool from 180°C to 25°C at 10°C per minute (red line)
- 3) Heat from 25°C to 180°C at 10°C per minute (green line)

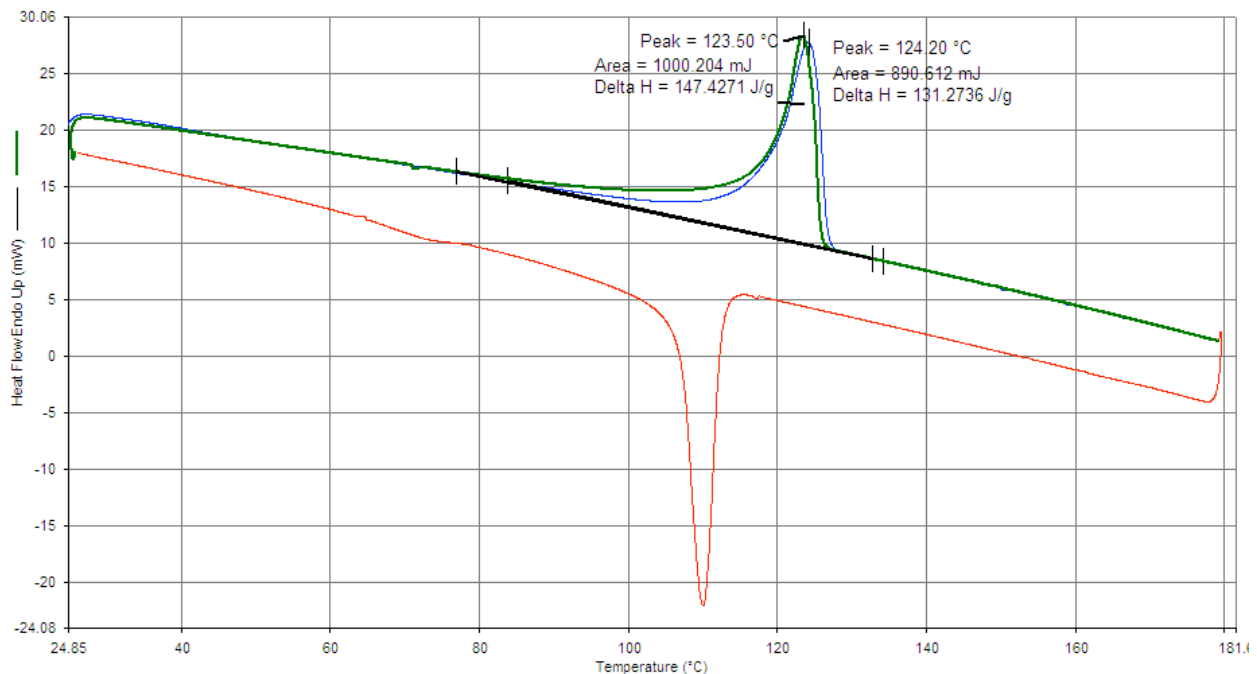


Figure 1: DSC trace of polyethylene specimen. The blue line is the trace from the initial heating, the green line is from the second heating cycle and the red trace is the cooling of the sample.

Sample	Melting point (°C)
Checkpoint Standard	123.85

For more information, please contact:

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