

FARA PACK POLYMERS

CONFIDENTIAL

Report: DSC analysis of Checkpoint High Temperature 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 High Temperature.

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)

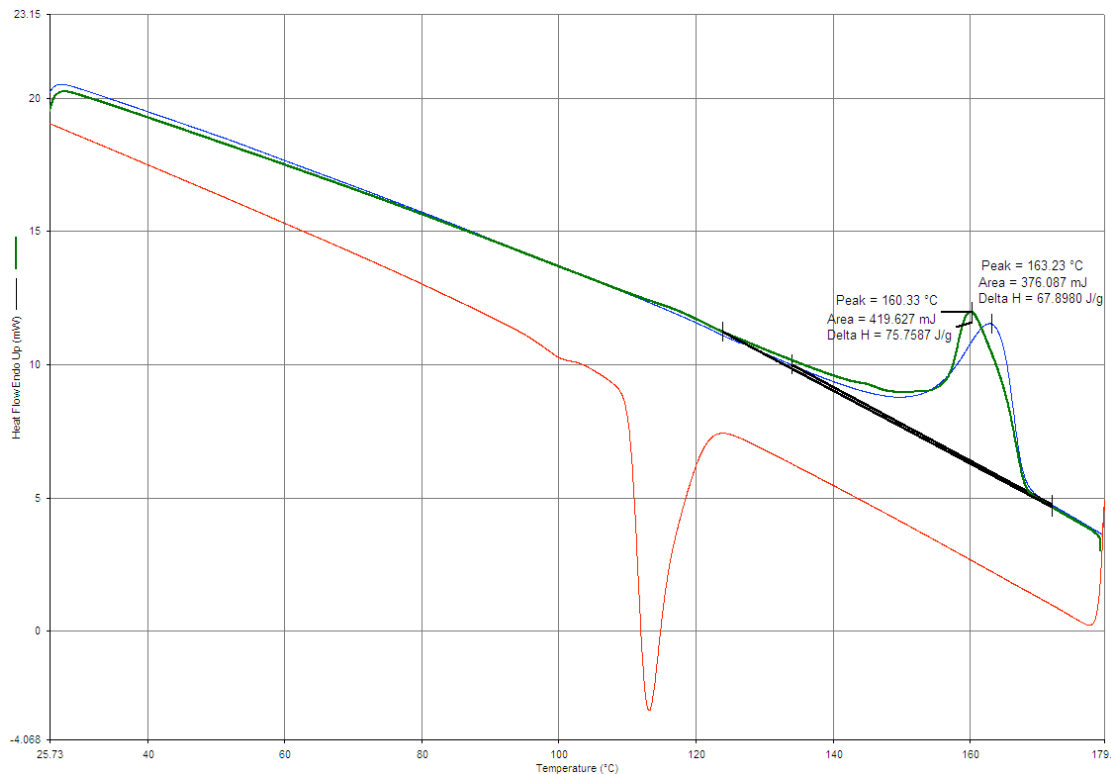


Figure 1: DSC trace of polyethylene specimen. The blue line is the trace from the initial heating, the green line is from the second heating cycle and the red trace is the cooling of the sample.

Sample	Average melting point (°C)
Checkpoint High Temp	161.78

For more information, please contact:

Mr Chris Saywell

Operations Manager

FaraPack Polymers Ltd

Tel: 0114 22 29499

Email: chris.saywell@farapackpolymers.com