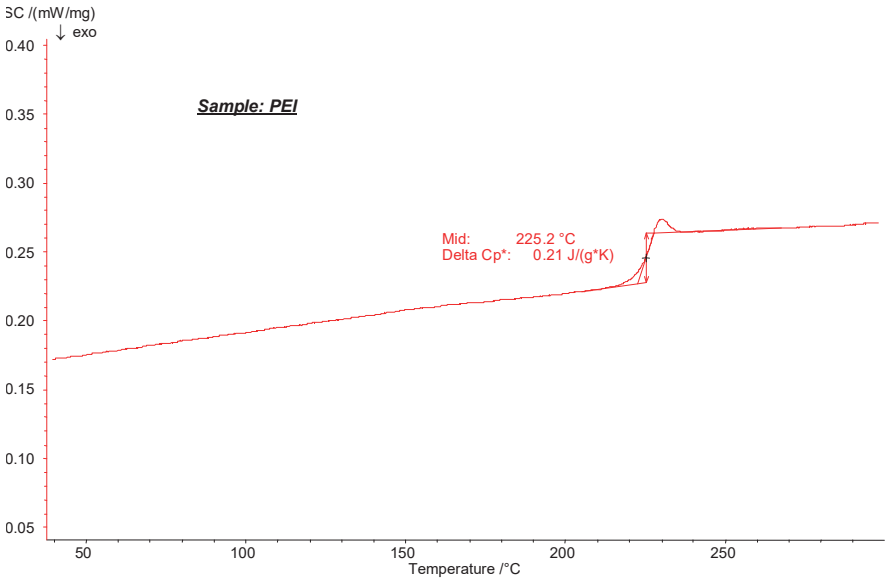
APPLICATION**SHEET**

Polymers
DSC 3500 *Sirius*

Polyetherimide

Introduction

Polyetherimide is an aromatic, amorphous thermoplastic containing both ether links and imide groups. It has a good fire resistance and a good thermal stability. Furthermore, it is chemical resistant and features high dielectric strength and extremely low smoke generation. Is is often used for heat-resistant products such as in microwave ovens and circuit boards.



Test Conditions

Temperature range:	-25 ... 400°C
Heating rate:	10 K/min
Atmosphere:	Nitrogen (20 ml/min)
Sample mass:	9.37 mg
Crucible:	Al, pierced lid

Test Results

The endothermic step at 225.2°C (midpoint) with a change in specific heat of 0.21 J/(g·K) is due to the glass transition of polyetherimide. The increase in the specific heat flow rate versus temperature is due to the increase in specific heat.

NGB · Application Sheet 031 · E · 0621 · Technical specifications are subject to change.

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