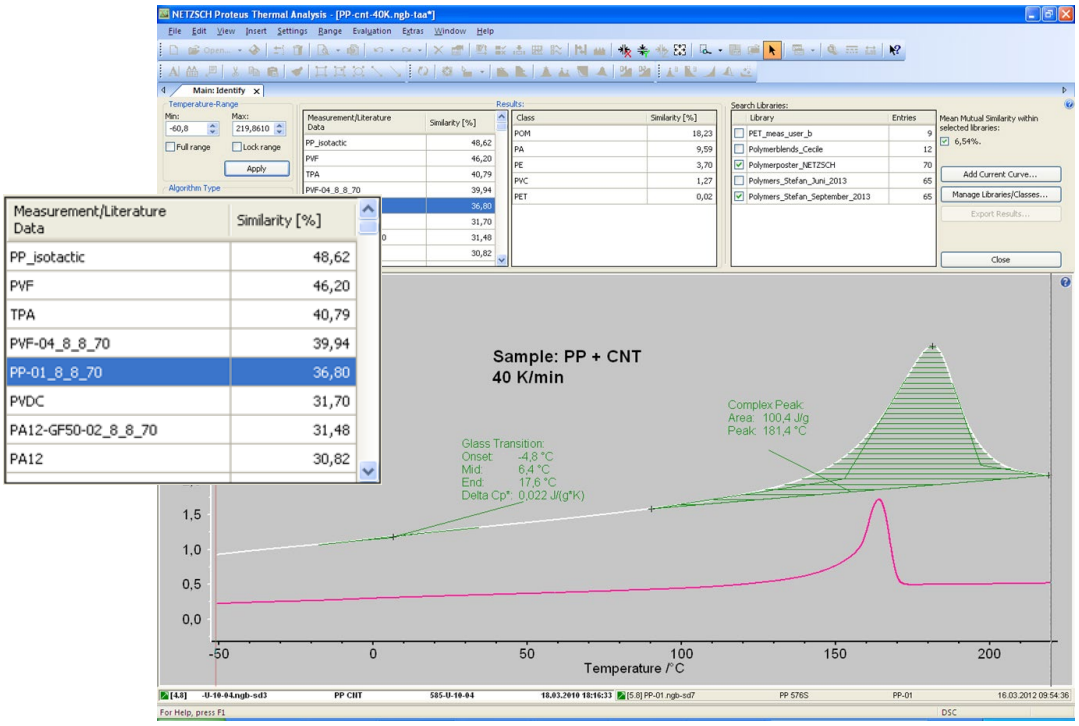
APPLICATION**SHEET**

Polymers – *Identify* Software

Investigation of a PP-CNT Compound by Means of *Identify*

The new *Identify* software which is an extension of the NETZSCH *Proteus*® software ...

- **... is** a unique DSC curve recognition and interpretation system providing results with a single click.
- ... is useful for material identification and quality control.
- ... is both easy to use and sophisticated
- ... includes a database with NETZSCH libraries for polymers as a basis as well as libraries that can be created by the user.
- **...** manages measurements, literature data and classes, incorporating the user's knowledge.



DSC measurement (2nd heating) on a PP+NT compound investigated by means of *Identify*

A PP+CNT (polypropylene + carbon nanotubes) compound was investigated by means of a DSC measurement (2nd heating) using *Identify*. The highest similarity of 48.6% between the measured DSC curve (white) and database entries can be found for the literature data for PP_isotactic included in the NETZSCH "Thermal Properties of Polymers" poster.

Although the DSC curve was measured at a relatively high heating rate of 40 K/min, PP could be identified correctly. A database measurement on PP measured at 10 K/min (also 2nd heating) is displayed in pink for comparison.

NGB · AS-247-2013 · EN · 11/13 · Technical specifications are subject to change.

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