

DuPont™ Zytel® HTN in the new “miniTelve” Turkish coffee machine

Application Profile – Consumer Industry DuPont™ Zytel® HTN High-performance



Manufacturer:

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Application Description

The multi-patented ‘miniTelve’ coffee machine is a modern-day alternative to making Turkish coffee produced by the Istanbul-headquarter company Arcelik A.S. It features a container for heating water and ground coffee made from silver-painted DuPont™ Zytel® HTN high-performance polyamide as an alternative to aluminum or copper.

Benefits gained

Key factors of selecting Zytel® HTN FG52G35HSL BK were:

- **Strength, stiffness and toughness** when exposed to heat and moisture.
- **Dimensional stability and approval for use in food and drink applications**, where key factors in its selection.

Materials chosen, and why:

DuPont™ Zytel® HTN high-performance was adopted for the injection-molded body of the boiling pot, fixed to an aluminum base by a ring, also made of Zytel® HTN, and sealed with a heat- and moisture-resistant rubber. A two-part PBT handle is mounted to the body of the pot with a screw. Indeed the production process for the new Zytel® HTN pot consisted of only ten stages, compared to the 17 stages required for the aluminum pot.

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