

**HALL #2.2 BOOTH #A019**

**Solvay Dental 360™ Ultaire™ AKP High-Performance Polymer**

Ultaire™ AKP is an innovative aryl ketone polymer (AKP) formulated to meet critical performance requirements for dental applications. Available as the first product in the Dentivera™ milling disc family, Ultaire™ AKP leverages the digital workflow and provides a biocompatible, lightweight, metal-free, non-irritating and more aesthetically pleasing alternative to traditional metal removable partial denture (RPD) frames. Key features include:

- Developed for milling RPD frames
- Base materials currently used in permanent medical devices and non-implantable orthopedic, cardiovascular and renal devices today
- Biocompatible
- Monomer (MMA)-, BPA- and nickel-free

**Key patient benefits:**

- Lightweight
- Comfortable
- Similar to bone – tooth-supported RPD frame avoids point loading and may limit bone loss<sup>1,2</sup>
- Flexural properties allow engagement of deeper undercuts than metal
- More natural-looking smile with no shiny metal
- Taste-free
- Eliminates the risk of metal sensitivity

1. Najeeb S, Zafar MS, Khurshid Z, Siddiqui F. Applications of polyetheretherketone (PEEK) in oral implantology and prosthodontics. *J Prosthodont Res.* 2016;60(1):12-19.
2. Data on file.

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## Increases lab efficiency:

- Eliminates waxing, investing and casting procedures
- More accurate than investing and removes the dangers of spin-casting and high-heat burnouts
- Eliminates the mess of metal finishing
- Reduces finishing and polishing time compared to metal
- Can be polished to a glass-like finish using standard tools

## Supports the digital workflow:

- CAD eliminates all manual steps up to, and including, the waxing procedure
- CAM eliminates the casting steps
- Design concepts for Ultaire™ AKP are simple to learn
- Ultaire™ AKP has been specifically developed for use with 3Shape™ CAD software. For milling, many combinations of CAM software and milling machines are possible.
- Milling can be done with existing in-house equipment
- Milling can also be outsourced to a milling center

The Dentivera™ milling disc made from Ultaire™ AKP has earned the European Commission CE mark and 510(k) clearance from the U.S. Food and Drug Administration (FDA) and is made in the U.S. under strict FDA and International Organization for Standardization (ISO) guidelines.

For more information about Ultaire™ AKP, Dentivera™ milling discs or Solvay Dental 360™, visit [WWW.SOLVAYDENTAL360.COM](http://WWW.SOLVAYDENTAL360.COM).

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