

The Right Mix

nexeo[®]
plastics

Better together: Blending our expertise for you

Smiles That Last: Durable, Autoclavable Dental Tools with Superior Grip and Custom Colors

Engineered for Precision and Resilience: Delivering Tailored Solutions for the Dental Market

CUSTOMER CHALLENGE:

A dental tools manufacturer needed a material for a new line of autoclavable instruments. Key requirements included:

- Resistance to repeated autoclave sterilization
- Durable, ergonomic overmolded grip
- Custom brand-color options
- Regulatory compliance and scalable availability

ACTION TAKEN:

Nexeo Plastics partnered with Americhem and Syensqo to deliver a customized solution:

- Recommended a high-performance material offering ideal melt flow, impact strength, and hardness
- Delivered custom color matches aligned with branding
- Ensured compliance with dental industry regulations
- Stocked material locally to support flexible order sizes and reduce lead times

RESULTS:

- **Durability:** Tools exceeded industry standards for autoclave cycle performance
- **Functionality:** Ergonomic grip enhanced tool handling and received strong professional feedback
- **Brand Impact:** Custom colors improved visual appeal and product line differentiation
- **Efficiency:** Reduced production delays and enabled a faster product launch

Featured Material: Radel[®] from Syensqo

Discover how we can help you overcome your material, process, and application challenges.



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