

» APPLICATION BULLETIN

IMPROVING CARE

MATERIAL SOLUTIONS FOR PREFILLED FLUSH SYRINGES

Healthcare professionals trust your devices to deliver simplified, reliable and critical care. To meet the growing demands for patient safety and improved patient comfort, prefilled flush syringes play an increasingly critical role in simplifying care and administering important medications when it matters most.

A prefilled flush syringe may appear to be a straightforward drug delivery device, but product development and innovation is far from simple. To succeed, your products and components must meet stringent regulatory standards and application-specific demands that contribute to improved patient care. Our in-depth industry

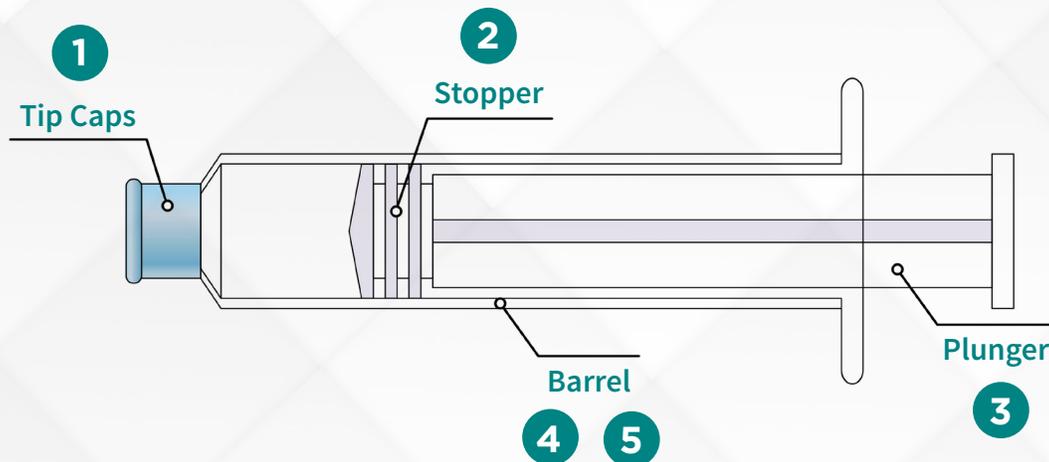
knowledge, technical capabilities and expansive material solutions help you to address those challenges. We'll work with you to optimize part design, navigate regulatory processes, meet performance specifications, shorten the product development cycle, and more.

 MORE THAN MATERIALS

 AVIENT™

DELIVERING SAFETY & PERFORMANCE

Healthcare professionals rely on innovative and dependable devices to deliver essential patient care. When designing prefilled flush syringes, you need the same innovative approach and reliable performance to help caregivers succeed. Avient Distribution's comprehensive approach to materials solutions and product development can help meet those challenges.



1. PROTECTION

Biocompatibility, Reliable Sealing, Durability

SOLUTION: Medical Polypropylene

2. SAMPLE CONTROL

Biocompatibility, Chemical Resistance, Low Extractables & Leachables

SOLUTIONS: Butyl Rubber, Thermoplastic Vulcanizate (TPV)

3. PERFORMANCE

Biocompatibility, Rigidity, High Heat Resistance

SOLUTION: Medical Polypropylene

4. RELIABILITY & AESTHETICS

Biocompatibility, Rigidity, High Clarity, Low Extractables & Leachables

SOLUTION: Medical Clarified Polypropylene

5. EASE OF DISPENSING

Stable, Consistent Pushing Force

SOLUTION: Medical Silicone Fluid

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