

MEDICAL EQUIPMENT MANUFACTURER SURGICAL X-RAY GLASSES

AVIENT SOLUTION

Trilliant™ XR Lead Replacement
Thermoplastics

WHY AVIENT?

- Conducted extensive testing to ensure comparable and uniform shielding performance
- Improved geometric flexibility
- Lowered shielding component costs 30-50% by eliminating machining and assembly steps (associated with lead)
- Reduced weight of the glasses and enabled a more ergonomic design
- Eliminated disposal concerns associated with lead

LEARN MORE

KEY REQUIREMENTS

- Replace lead while providing uniform shielding performance
- Radiation shielding up to 140KeV
- Improve glasses design
- Compliance with Radiation Protection Regulation: Adult eye exposure must be below 20 mSv per calendar year