

Veradel[®] HC



SOLVAY

asking more from chemistry[®]

Veradel[®] HC PESU

Polyethersulfone for Healthcare

**SPECIALTY
POLYMERS**

Solvay Expands Offering for Healthcare Polymers

In response to strong customer demand, Solvay has added Veradel® HC A-301 polyethersulfone (PESU) to its portfolio of high-performance healthcare polymers. It is the industry's first PESU polymer to offer an FDA Master Access File (MAF) for medical devices.

Veradel® HC A-301 PESU retains its transparency and toughness at high temperatures and offers processing advantages over other commercial transparent polymers.

Typical Applications

- Housings and internal structural components for medical diagnostic equipment
- Monitoring and filtration equipment
- Biopharma processing applications such as sight windows and quick-connects

Biocompatibility Testing

Based on biocompatibility testing as defined by ISO 10993, Veradel® HC A-301 PESU demonstrates no evidence of cytotoxicity, sensitization, intracutaneous reactivity or acute systemic toxicity. The material is expected to pass USP Class VI testing that is currently underway. These well-documented compliance records along with MAF support can facilitate the design and regulatory application process for medical device OEMs, thereby accelerating time to market.

Optimized Portfolio

Veradel® HC A-301 PESU helps balance Solvay's portfolio of transparent, sulfone-based healthcare polymers, which have a long history of proven performance in advanced healthcare applications.

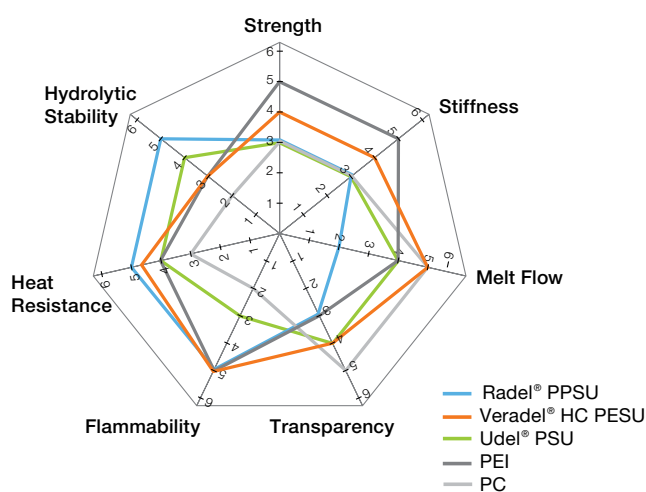
- Radel® polyphenylsulfone (PPSU) is a super-tough, transparent polymer that can withstand more than 1,000 cycles of steam sterilization without significant loss of properties.

- Veradel® HC A-301 PESU offers heat resistance that is on par with Radel® PPSU. The material's high flow rate makes it particularly suited for injection molding thin-walled parts and components with complex geometries. Its stiffness is the highest of all medical-grade sulfone polymers.
- Udel® polysulfone (PSU) is a tough, high-strength transparent polymer that offers higher heat resistance and better hydrolytic stability than polycarbonate.

Alternative to PEI

Veradel® HC A-301 PESU exhibits properties similar to those of polyetherimide (PEI) for strength, stiffness, transparency, dimensional stability, and inherent flame resistance as well as compatibility with steam sterilization and chemical sterilants.

Comparison of transparent polymers



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