

ACRYLITE® MD™ acrylic polymers

The most advanced acrylic polymers for the medical diagnostic industry

ACRYLITE® MD™ acrylic polymers offer exceptional ultra-violet light transmittance (UVT) and optical clarity while providing maximum flow characteristics and high dimensional stability. Meeting the stringent performance and regulatory compliance requirements of medical designs, ACRYLITE MD polymers are well suited for diagnostic applications, including cuvettes, test packs, rotors, and crystallography trays.

Available in two grades:

ACRYLITE® MD™ L40 acrylic polymer

ACRYLITE® MD™ H12 acrylic polymer

The two grades of ACRYLITE MD polymers vary according to processing conditions. These variations control the physical and rheological properties of each material. Both grades are suitable for USP Class VI use in containers and accessories, and meet requirements outlined in the FDA's 21CFR177.1010. They have also been found to be non-hemolytic, non-cytotoxic, non-pyrogenic, non-sensitizing, and non-mutagenic when tested following the Tripartite and ISO 10993-1 protocols.



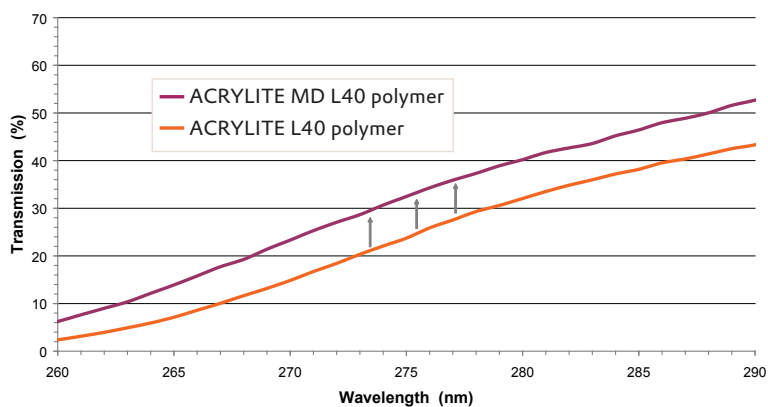
Performance formulations offer:

- Exceptional ultra-violet light transmittance (UVT) to ensure consistent measurement response
- Excellent optical clarity for maximum visible inspection capabilities
- Maximum flow characteristics for high cavitation tooling and improved production efficiency
- Good dimensional stability for controlled fluid flow
- Regulatory compliance for quality control
- Total cost-of-use advantage over glass

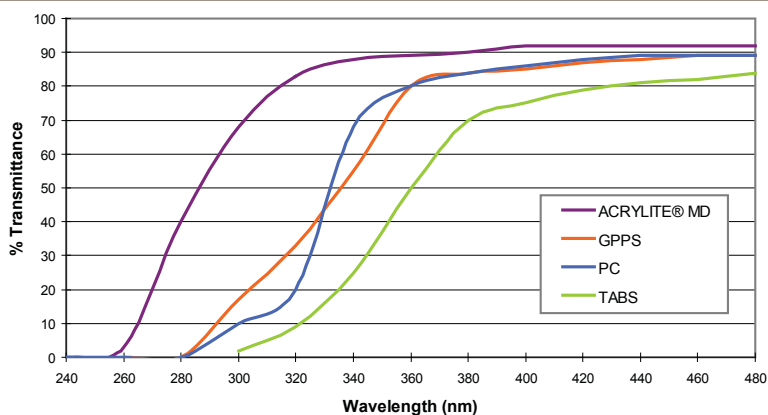
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ACRYLITE® MD polymer – Proven UV Transmission Improvement



ACRYLITE® MD polymer vs. Competitive Materials



Produced to the rigorous standards of production quality control for UV transmittance, ACRYLITE MD polymers offer 87.7% light transmittance at 340 nm critical to insuring consistent measurement response. Along with UV transmittance, ACRYLITE MD polymers offer excellent transparency and cleanliness for maximum visible inspection capabilities exceeding that of other polymers and standard acrylic.

ACRYLITE MD polymers are new additions to Evonik Cyro's medical acrylics which include the widely used CYROLITE® acrylic-based multipolymer compounds. If you would like more information about our ACRYLITE MD and CYROLITE compounds, please visit our website at www.cyrolite.com.

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ACRYLITE® is a registered trademark of Evonik Cyro LLC, an Evonik Degussa Corporation group company. Evonik is a leading manufacturer of acrylic polymer products. It manufactures and markets its acrylic molding compounds under the ACRYLITE® trade name in the Americas and under the PLEXIGLAS® trade name on the European, Asian, African and Australian continents.



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Technical Support
Visit our TechKnowledge Center at www.cyro.com for immediate access to FAQs, technical information, tips and hundreds of other facts about acrylic-based polymers.