

SuPure™ polymer for Medical Diagnostics

Acrylite® SuPure™
ACRYLIC POLYMER

The Total Purity Solution

CYRO knows that achieving maximum purity is something that our customers have long desired. Thus, we are happy to bring you the next generation in acrylic purity—ACRYLITE® SuPure™ acrylic polymer. ACRYLITE SuPure polymer is designed to deliver an end-product of extreme clarity, which to the naked eye and under varying light conditions, results in no visible defects—making it an ideal solution for contamination-free medical diagnostic applications.

ACRYLITE SuPure polymer uses a proprietary purification process that ensures a polymer free of dust, fines and contaminants—consistently delivering exceptional clarity. This proprietary system starts at CYRO's manufacturing plant and extends all the way to your facility and processing point, ensuring maximum purity and cleanliness and improving manufacturing productivity. It truly embodies CYRO's commitment as a pioneer in the polymer industry.

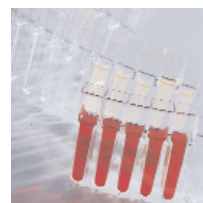
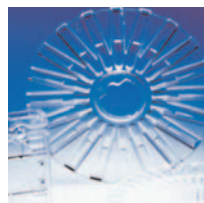
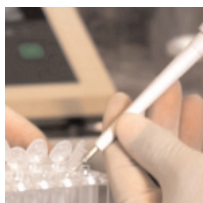
Better Than Other Thermoplastics

ACRYLITE SuPure polymer is, in essence, the next generation of acrylic polymer. And it's suited for medical diagnostic applications that demand absolute purity. ACRYLITE SuPure polymer offers better clarity and quality of light transmission than polycarbonate and other thermoplastic polymers. With an unsurpassed light transmission of 92% combined with high melt flow, ACRYLITE SuPure polymer delivers outstanding visible inspection capability and excellent mold fill for fast cycle times.

The SuPure Advantage

- Free of dust, fines and contaminants
- Excellent alternative to PC and other thermoplastic polymers
- Light weight
- 92% light transmission in the visible spectrum
- High transmittance in UV diagnostic measurement wavelengths
- Flexible assembly (bondable and weldable)
- Water-white purity with no visible defects (e.g. black specs, char, contamination)
- Fewer process defects
- Reduced labor costs
- No white streaking
- Offers consistent processing leading to:
 - lower rejects
 - higher yields
 - lower plant operating costs
- Increased customer satisfaction

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Purified Packaging

The ACRYLITE SuPure polymer solution includes a choice of two packaging systems that offer total end-to-end purity. These delivery systems will ensure that you consistently get the highest level of purity. Such a solution will not only ensure a superior product, but also do wonders for your overall manufacturing costs, processes, and performance—from beginning to end.



The EverPure Packaging system is a new concept in total purity control. This proprietary closed-loop packaging system effectively eliminates ambient dirt and airborne contaminants from the manufacturing process, resulting in a dust-free polymer for sparkling crystal clear parts and components. This state-of-the-art technology features an outer woven bag, composed from tough plastic polymer. The bags are unloaded at the customer site utilizing a dust-tight Bulk Bag Discharger from Flexicon Corporation® which incorporates patented features to assure that the SuPure acrylic polymer is delivered directly into the feed system, with no exposure to the plant atmosphere. The discharger helps to maintain product purity, reduce defects, and decrease operating costs.

And even after its usage, the EverPure Packaging system continues to yield benefits. Bulk Bags are easier to dispose of than cardboard cartons and take up much less space. What's more, they're easily recycled, making them environmentally friendly.



PureGuard is a partially closed-loop system which utilizes a heat-sealed chimney liner in a gaylord box to ensure product purity from our facility to point-of-use, where a wand is typically inserted into the box and fed into the hopper. This system assures the purity of the product from our plant to your facility and yields measurable benefits.



Diagnostic Applications

- Test Packs
- Rotors
- Cuvettes

Product Grade - Designed for a wide range of molding and extrusion parameters.

SuPure L40 500 series: Highest flow polymer. Medium heat distortion temperature. UV transmitting.

Regulatory		
ACRYLITE SuPure Medical Grade polymers comply with the following Tripartite, ISO 10993-1, USP and FDA regulations.		
Grade	Food Contact* ¹	USP Class VI* ²
L40 502	Yes	Yes
<p>*1 Products meet the requirements in 21CFR177.1010, 21CFR180.22 and 21CFR177.1580 as appropriate to the specific product.</p> <p>*2 Class VI United States Pharmacopoeia tests for determining the suitability of a plastic material intended for use in fabricating containers or accessories thereto, for parenteral preparations.</p>		

It's just more pure with SuPure!

To learn more about ACRYLITE SuPure polymer and receive a FREE cost-of-use assessment as well as information on a product trial, call **1.877.891.CYRO** to arrange a meeting with a Strategic Account Manager or visit www.supure.com.



Innovative acrylic solutions for specialty applications.