

ACRYLITE® Acrylic Rods and Tubes

Superior clarity. Optical brilliance. Added value.

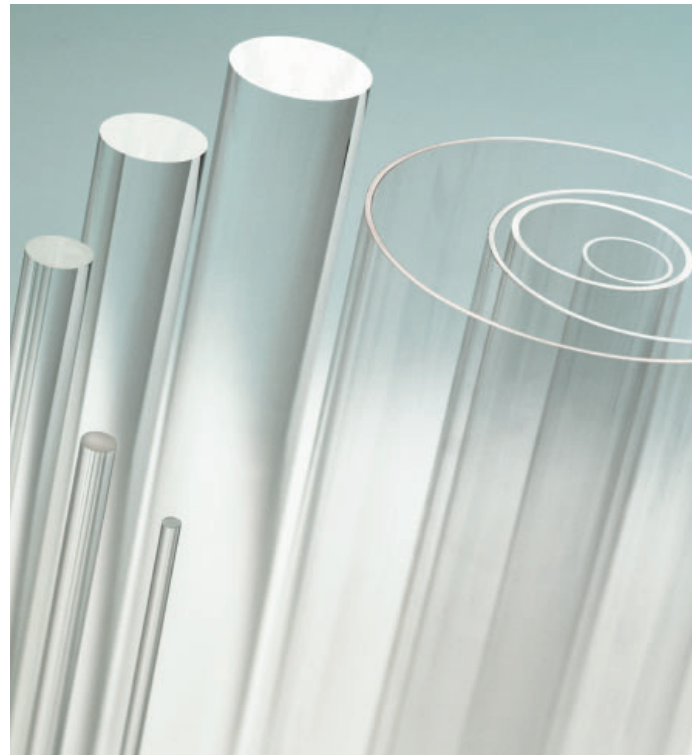
ACRYLITE® Acrylic Rods and Tubes deliver superior performance and extended durability. They provide exceptional clarity and optical brilliance at a price point suitable for a broad spectrum of lighting, P-O-P and food applications. Both rods and tubes are available in a smooth jewel-like finish and tubes are also available in frosted ACRYLITE Satin Ice finish.

The superior quality and clarity offered by our ACRYLITE Rods and Tubes also applies to our large range of complimentary ACRYLITE® acrylic sheet products which are available in a variety of sizes and thicknesses.

ACRYLITE Rods and Tubes offer an excellent range of features and benefits:

- Optical clarity and superior brilliance for a clear view of details in displays. Provides best possible light in luminaries
- Break resistant, 11 times stronger than glass, therefore safer than glass
- Weather resistant, ideal for outdoor lighting applications
- Superior light transmission and light diffusion properties for a large variety of indoor lighting applications
- Lightweight at half the weight of glass
- Suitable for food contact under 21CFR177.1010* and ideal for displaying food
- Variety of tube diameters from .197" (5mm) OD to 20" (500mm) OD
- Rod sizes from .078" (2mm) to 2.00" (50mm)
- Easily bonded together or to ACRYLITE sheet products using our ACRIFIX® Specialty Bonding Agents

*ACRYLITE colorless materials have been tested and meet the requirements of regulations for all use conditions up to and including hot filled or pasteurized above 150° F (i.e. Condition C, 21CFR176.170, see table) for all food types except those containing more than 8% alcohol.



CYRO Industries

CYRO Industries is the North American Performance Polymers Business Unit within the Chemicals Business Area of Evonik Industries. As an international leader in methacrylate chemistry, customers around the world turn to us for technical expertise and market experience in specialty polymethyl-methacrylate (PMMA) products including acrylic rods, tubes and sheet products. The Performance Polymers Business Unit of Evonik is a worldwide manufacturer of PMMA semi-finished products sold under the PLEXIGLAS® trademark on the European, Asian, African and Australian continents and under the trademarks ACRYLITE® and ACRIFIX® in the Americas.

Physical Properties Comparison

	Evonik	Competitor A	Competitor B	Competitor C
Nominal Diameter mm	100	100	100	100
Avg Measured Diameter mm	99.1	101.3	94.7	101.7
Vicat Softening Temp °C	101.6	88.1	100.3	90.1
Molecular Weight	145000	91000	96000	96000
Visual Appearance	Very minor distortion	Noticeable distortion, heavy numerous die lines	Noticeable distortion, heavy numerous die lines	Noticeable distortion, heavy numerous die lines

Optical Clarity

The superior optical clarity of ACRYLITE Tubes is immediately evident when compared to lesser competitive products showing noticeable distortion and die lines.



Evonik

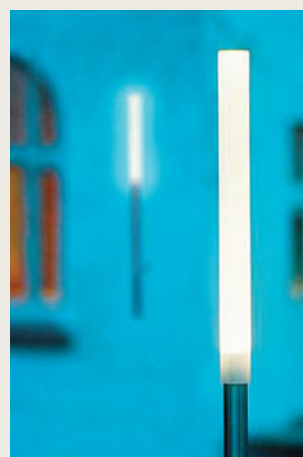


Competitor



Competitor

ACRYLITE Satin Ice tubes



ACRYLITE® Satin Ice Acrylic Tubes have a frosted, textured surface and excellent light diffusing properties while maintaining high light transmission. Its surface hides fingerprints and scratches. This combination makes them ideal in exterior and interior lighting applications as well as in store fixtures and P-O-P displays.

For further details on our specialty acrylic products please visit our website at www.cyro.com or www.acrylite-magic.com. Contact us for information regarding custom colors and sizes.

CYRO Industries

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