

Article Overview

EPO-TEK(R) by Epoxy Technology and CS Hyde are leading suppliers of adhesives and materials for polyester optical cables.

Key Manufacturers and Products

1. Epoxy Technology, Inc. (EPO-TEK(R)) EPO-TEK(R) specializes in high-performance adhesives for optical components and fiber optics, including polyester-based optical cables. Their optical epoxies provide high clarity, strong bonding, and durability in demanding environments, making them suitable for telecommunications, sensors, and precision optical assemblies. They offer UV-curable, thermally cured, and hybrid formulations, ensuring compatibility with PET materials and maintaining optical performance under thermal and mechanical stress . 2. CS Hyde Company CS Hyde supplies DuPont(R) Mylar(R) polyester films, including optically clear PET films, which can be used with adhesives for optical cable applications. They provide custom widths, sheets, and die-cut parts, and some products come with 3M(R) adhesive backing, suitable for bonding in optical and electronic assemblies . 3. Wanhua Chemical Group While primarily a supplier of performance plastics and resins, Wanhua offers polyamide, polycarbonate, and polyurethane materials that can be used in cable coatings and adhesive formulations. Their materials are suitable for high-performance cable insulation and protective layers, which may complement adhesive applications in optical cables .

Considerations for Selecting Adhesives

- o Optical Clarity: Adhesives must not interfere with light transmission in fiber optics.
- o Thermal Stability: Polyester optical cables often operate across wide temperature ranges; adhesives should maintain bonding strength under thermal cycling.
- o Chemical Compatibility: Adhesives must bond effectively to PET without causing degradation or yellowing.
- o Curing Method: UV-curable adhesives allow fast processing, while thermally cured epoxies provide long-term stability.

Summary

For polyester optical cable applications, EPO-TEK(R) optical epoxies are widely recognized for their performance in fiber optics, while CS Hyde's optically clear Mylar(R) films provide compatible substrates with adhesive backing. Wanhua Chemical offers complementary materials for high-performance cable construction. When selecting an adhesive, consider optical clarity, thermal resistance, and curing method to ensure reliable performance in optical cable assemblies .



Polyester optical cable adhesive manufacturer

Master Bond offers an extensive line of epoxies and UV curing systems for use in fiber optics devices.

Aluminum Polyester Tape for Optical Fiber Cable is a critical shielding and protective material used extensively in the construction of

The requirements differ depending on which part of the optical component it is used in. We develop and commercialize adhesives

Optical Encapsulants and Adhesives United Adhesives Inc. provides innovative solutions for optoelectronics with optical-grade epoxy

Adhesives play a pivotal role in the assembly of fiber optic components due to their high performance on glass, metal, ceramic and

Optical and fiber optics assembly and manufacturing require fast setting UV adhesive or 2 component

Toray, a leading polyester film manufacturer, is recognized for its excellent thermal stability and superior mechanical properties,

The Fiber Optic Center Technical Team provides consultation for selection to ensure compatibility with the epoxy

CSL Self Laminating Polyester Labels CSL is a laser printable, clear polyester film with a permanent acrylic adhesive and a printable

18 Optical Adhesive Manufacturers in 2026 This section provides an overview for optical adhesives as well as their applications and

EPO-TEK® by Epoxy Technology, Inc. (ETI) leads the industry in high-performance adhesives, providing

Epoxy, anaerobic, UV adhesives such as Epotek 353ND, Tra-con BAF series, Loctite 648, 7649 primer, Hysol 608, and more.

Optical Adhesives ideal for bonding or cementing optical components together or to an optical system for other applications are

The Prolab® self-adhesive optical fiber flag labels are designed to be used on individual optical fibers.



Polyester optical cable adhesive manufacturer

These polyester labels

Adhesives deliver excellent performance on a range of materials used to manufacture optical

The range of specialised adhesives plays a critical role in the field of fiber optics connectors, photonics,

Web: <https://kremgroup.co.za>

