

Polyester optical cable adhesive manufacturer



Overview

Optical Cements and Adhesives | Suppliers Explore 28 top manufacturers and suppliers of Optical Cements and Adhesives in our comprehensive photonics buyers.

Key Takeaways

EPO-TEK® 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®) EPO-TEK® 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® Mylar® 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® 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

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

Summary

For polyester optical cable applications, EPO-TEK® optical epoxies are widely recognized for their performance in fiber optics, while CS Hyde's optically clear Mylar® 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 .

Article Content

Optical Cements and Adhesives | Suppliers

Explore 28 top manufacturers and suppliers of Optical Cements and Adhesives in our comprehensive photonics buyers' guide.

Phoenix Optical Polymers LLC

We are experts in the optical bonding process. We will help you select the specific adhesive compatible with your substrates using

Optoelectronics Assembly

Dymax optical assembly adhesives are low-stress, low-movement, and cure with UV/Visible light in seconds for crystal-clear, high

18 Optical Adhesive Manufacturers in 2026

This section provides an overview for optical adhesives as well as their applications and principles. Also, please take a look at the list

Optical Adhesives

Optical Adhesives reduce the need for purchasing additional components by allowing existing components to be combined or

Aluminum Polyester Tape for Optical Fiber Cable

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

Fiber Optic Epoxy and Adhesive Supplies

Epoxy and adhesives are the most critical determining factor affecting the long-term reliability of product. These epoxy and adhesive

Polyester Binder Yarn

Discover Fibure's Polyester Binder Yarn for high-speed binding of Optical Fiber cable components. With low shrinkage and dual-end

Adhesives for Fiber Optics Assembly: Making the Right Choice

Adhesive technology has always played a role in fiber optics assembly. Initially, epoxy technology was the method of choice,

Optical adhesive

Find your optical adhesive easily amongst the 62 products from the leading brands (MasterBond, Permabond, Kohesi Bond, ...) on

Adhesives for Fiber Optic Assembly

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

Fiber Optic Adhesives

Optical and fiber optics assembly and manufacturing require fast setting UV adhesive or 2 component epoxy with high clarity that

Optical Adhesives | Optical Resins | NTT-AT NTT-AT Leading-Edge

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

United Adhesives Inc.

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

Prolab® Laser Self-Adhesive Polyester Fiber Optic Flag Labels

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

Fiber Optic Epoxy and Adhesive Materials

Epoxy and adhesive materials play a critical role in fiber optics because they are used to bond and encapsulate optical components,

Fibersure Fiber Optic Adhesive (0700-3810) (NSN: 6099-01-563-8571)

The Fibersure anaerobic adhesive system is a two-part system that uses a non-hazmat primer and adhesive. Specially formulated for

Contact Us

Continue your research online:

Website: <https://coetzerinvestments.co.za>

Technical inquiry: <https://coetzerinvestments.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

