



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
Covestro DeSolite® DF-0016 Optical Fiber Coating  
(Splicing and Recoat Matrix Coating), UV Cure (2 oz)

**Manufacturer Part Number:**  
COV-DF-0016-2OZ



▶ Click here for more details on the Covestro DeSolite® DF-0016 Optical Fiber Coating (Splicing and Recoat Matrix Coating), UV Cure (2 oz)

# DeSolite®

## Optical Fiber Coatings



### Product Data

# DeSolite® DF-0016

#### Product Description

DeSolite® DF-0016 is an optical fiber coating with low refractive index and very low haze. Due to its relatively low modulus, this coating is usually protected by topcoating it with DeSolite® DS-2015 or any other secondary optical fiber coating.

#### Product Benefits

- Patent-protected
- High clarity (very low haze)
- Processing ease:
  - solvent free
  - fast line speed

#### Performance Characteristics

Liquid Coating	Typical Properties
Viscosity, 25 °C, mPa•s	4,200
Density, 23 °C, kg•m <sup>-3</sup>	1,005
Liquid Refractive Index, 23 °C	1.363

Cured Coating* (Tested at 23 °C, 50% R.H.)	Typical Properties
Segment modulus, 2.5% strain, MPa	10
Elongation, %	45
Tensile strength, MPa	3
Refractive Index	1.370
Hardness, Shore A	80

\*75 µm films cured in nitrogen at 1.0 J•cm<sup>-2</sup> using one D lamp, unless stated otherwise. UV dose determined with an IL-390 radiometer manufactured by International Light, Inc.

\*\*Dynamic Mechanical Analysis (see DMA graph)

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are subject to change without notice.*



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
Covestro DeSolite® DF-0016 Optical Fiber Coating  
(Splicing and Recoat Matrix Coating), UV Cure (2 oz)

**Manufacturer Part Number:**  
COV-DF-0016-2OZ



▶ Click here for more details on the Covestro DeSolite® DF-0016 Optical Fiber Coating (Splicing and Recoat Matrix Coating), UV Cure (2 oz)

## DeSolite® DF-0016



### Test Methods

Test methods available upon request.

### Filtration

DeSolite® Optical Fiber Coatings are manufactured using fine filtration techniques designed to minimize particulate matter and to ensure high strength and uniform product performance.

### Storage Conditions

DeSolite® materials should be stored in their original containers at temperatures between 15° and 30°C. The bottles that are used for these are UV opaque and allow for air to diffuse through the plastic which prevents premature gelation.

### Shelf Life

DeSolite® DF-0016 has a shelf life of 2 years from the date of manufacture, provided recommended storage conditions are properly maintained.

### Safety Information

Safety data sheets for each product are available from your Fiber Optic Center sales representative. All safety and handling recommendations should be followed carefully.

### Conversions

$N = g \cdot f \times 9.807 \times 10^{-3}$        $kg \cdot mm^{-2} = MPa \times 0.102$   
 $psi = MPa \times 145$                        $mPa \cdot s = cps$

ÅngströmBond® is a registered trademark of Fiber Optic Center, Inc., New Bedford MA, USA

Fiber Optic Center™, Inc. MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS OR OTHERWISE, with respect to its products. In addition, while the information herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestion for use are made without guarantee – inasmuch as conditions of use are beyond our control. The properties given are typical values, and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes. This warranty is limited to a credit or replacement of the product only, and does not cover direct, indirect, consequential, incidental or any other type of damage resulting from the use of the product. Fiber Optic Center is not liable for any failure to observe the precautionary measures described in this SDS or for any misuse of the product.

UPDATED 30-March-2025

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are subject to change without notice.*



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
Covestro DeSolite® DF-0016 Optical Fiber Coating  
(Splicing and Recoat Matrix Coating), UV Cure (2 oz)

**Manufacturer Part Number:**  
COV-DF-0016-2OZ

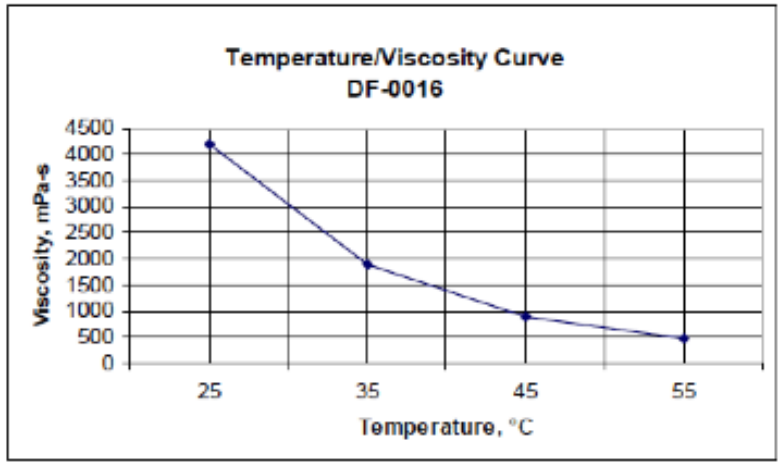
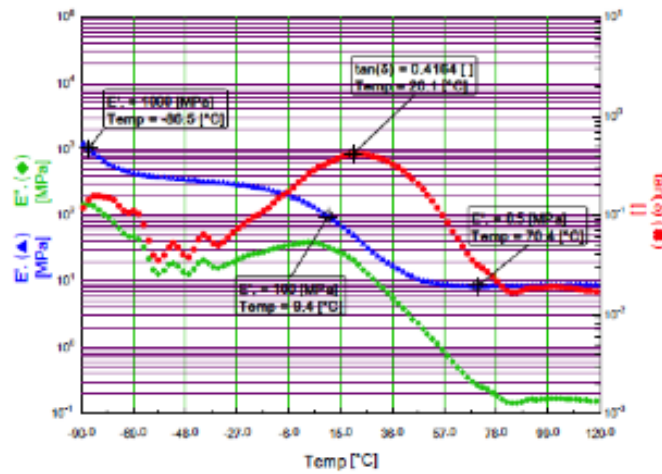


▶ Click here for more details on the Covestro DeSolite® DF-0016 Optical Fiber Coating (Splicing and Recoat Matrix Coating), UV Cure (2 oz)

## DeSolite® DF-0016



**Dynamic Mechanical Analysis (DMA)**  
DF-0016



Contact the professionals at Fiber Optic Center for a quote or to get more details.

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)  
23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.