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**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
DeSolite® DF-0016 Optical Fiber Coating (Splicing and Recoat Matrix Coating),  
UV Cure (1 oz)

**Manufacturer Part Number:**  
COV-DF-0016-1OZ

► Click here for more details on the DeSolite® DF-0016 Optical Fiber Coating (Splicing and Recoat Matrix Coating), UV Cure (1 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.

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23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice. FOC last update 1/29/2026.



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## 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

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

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UPDATED 30-March-2025

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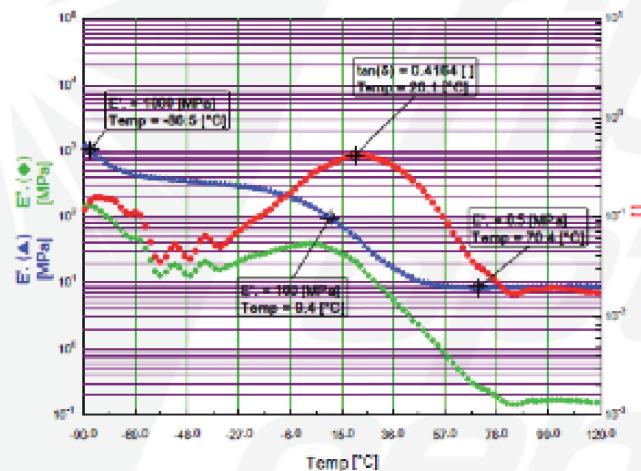
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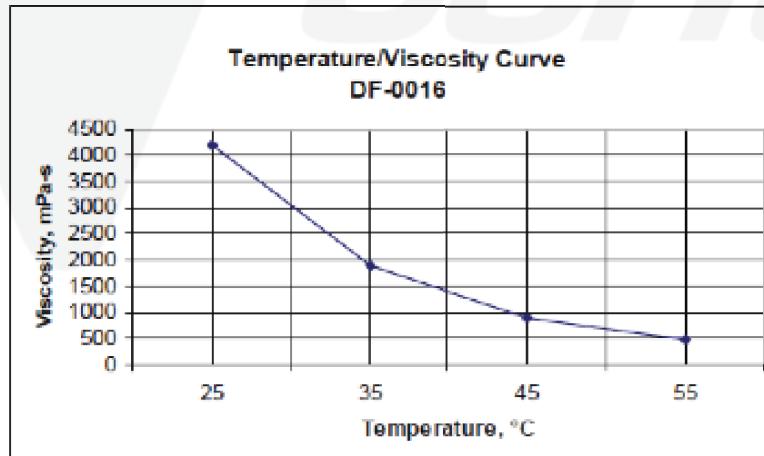
## DeSolite® DF-0016



### Dynamic Mechanical Analysis (DMA)



### Temperature/Viscosity Curve



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