

## AC B914-B-Green

### UV- Curable Flame Retardant Tight Buffer Coating

#### Features

- Flame retardant: UL 94 V-0 at 10 to 100 µm thick film
- Strippable from glass
- High strength

#### Description

- UV-Curable Flame retardant coating

#### **APPLICATIONS**

Flame retardant coating for optical fibers  
Secondary layer: green color

#### **TYPICAL PROPERTIES**

##### Liquid

Viscosity (cps, 25 °C)	5.000 to 6,000
Storage (°C)	15 to 25
Shelf life (20 - 25 °C)	6 months
Pot life (20 - 25 °C)	3 months

##### Cured film

Shrinkage (linear, %) < 1

Glass transition temperature (°C, DMA) 84

Physical properties tested at 25°C, 50% RH, 150 µm thickness @ 2 J/cm<sup>2</sup> (ASTM D638)

Tensile, MPa	150
Elongation (%)	2
Modulus, MPa	7500

Operating temperature (°C) -40 to 100°C

##### UV curing conditions

##### Flood cure system –

UV dose (J/cm<sup>2</sup>), air, relative humidity < 55% 1.0 to 3.0

\*\* Minimum intensity recommended for Flood lamp system: 300 WPI or 118 WPCm

#### **SAFETY AND HANDLING**

The un-cured adhesive can be cleaned from apparatus with isopropyl alcohol (IPA), methyl ethyl ketone (MEK), or commercial alcohol based cleaning solution.

Use caution in handling this material. Avoid direct skin and eye contact. Use only in well ventilated areas. Use protective clothing, **gloves and safety goggles**. Read Material Safety Data Sheet before handling.

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