



## AC B903-GREEN

### UV- Curable Flame Retardant Tight Buffer Coating

#### Features

- Flame retardant: UL 94 V-0 at 10 to 100µm thick films
- Strippable from glass
- Flexible

#### Description

- UV-Curable Flame retardant coating

#### **APPLICATIONS**

Flame retardant coating for optical fibers  
Secondary layer

#### **TYPICAL PROPERTIES**

##### Liquid

Viscosity (cps, 25 °C)	5,000 to 6,500
Storage (°C)	15 to 25 °C
Shelf life (20 - 25 °C)	6 months
Pot life (20 - 25 °C)	3 months

##### Cured film

Shrinkage (linear, %) < 0.3

Glass transition temperature (°C, DMA) 60

Shore D 75

Physical properties tested at 25°C, 50% RH (ASTM D638)

Tensile, Mpa	30
Elongation (%)	17
Modulus, Mpa	1,300

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

UV curing conditions

Flood cure system – UV dose (J/cm<sup>2</sup>) 2.5 to 3.0

\*\* To ensure color uniformity, we recommend AC B903-Green to be rolled at 8 to 10 rpm in their original bottle for at least 3 to 4 hours prior to use. Re-rolling is suggested if the material is not consumed within 96 hrs.

\*\*\* 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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