

## AC B903-RED

### UV- Curable Flame Retardant Tight Buffer Coating

#### Features

- Flame retardant: UV 94 V-0 at 65 to 100µm thick films
- Strippable from glass
- Flexible

#### Description

- UV-Curable Flame retardant coating

#### **APPLICATIONS**

Flame retardant coating for optical fibers, Coating from core to 250µm diameter fibers

#### **TYPICAL PROPERTIES**

##### Liquid

Viscosity (cps, 25 °C)	8,000 to 10,000
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)	62
Physical properties tested at 25°C, 50% RH (ASTM D638)	
Elongation (%)	5.2
Modulus, psi (kg/mm <sup>2</sup> )	269,902 (189.76)
Operating temperature (°C)	-40 to 100 °C
UV curing conditions	
<u>Flood cure system – UV dose (J/cm<sup>2</sup>)</u>	2.0 to 3.0

\* Intensity recommended for Flood lamp system: 20 mW/cm<sup>2</sup> or 125 W/in<sup>2</sup>

#### **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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