



AC B901-10

UV- Curable Flame Retardant Tight Buffer Coating

Features

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

Description

- UV-Curable Flame retardant coating

APPLICATIONS

Flame retardant coating for optical fibers
Primary layer

TYPICAL PROPERTIES

Liquid

Viscosity (cps, 25 °C)	4,500 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, %) < 0.3

Glass transition temperature (°C, DMA) 62

Physical properties tested at 25°C, 50% RH, 150 µm thickness @ 2 J/cm² (ASTM D638)

Tensile, MPa	25
Elongation (%)	22.0
Modulus, MPa	650

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

UV curing conditions

Flood cure system –

UV dose (J/cm²), air, relative humidity < 35% 2.0 to 3.0

** Minimum intensity recommended for Flood lamp system: 300 WPI or 118 W/cm

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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