

Blank Ammunition Sealant 53170HV

Product Description

Hernon® Blank Ammunition Sealant 53170HV is a medium-High viscosity, UV and anaerobic curable sealant formulated to provide high performance, fast curing, coating, and sealing of ammunition blank tips.

Product Benefits

- UV fluorescence for in-process inspection
- LED curable
- No Solvent
- Excellent adhesion to a variety of surfaces
- Good gap filling properties
- No shrinkage due to solvent evaporation
- Rapid room temperature cure

Typical Properties (Uncured)

| Property | Value |
|-------------------------|--|
| Chemical Type | Modified Acrylic Ester |
| Appearance | Light Yellow to Amber Fluorescent Liquid |
| Viscosity @ 25°C, cP | 1,200-5,000 |
| Specific Gravity @ 25°C | 1.11 |
| Flash Point | See SDS |

Typical Properties (Cured)

| Property | Value |
|----------------------|------------------|
| Hardness, ASTM D2240 | 75 to 85 Shore D |

Factors Affecting UV Curing

- All UV sources degrade with use. Check output with a radiometer.
- Thicker films require longer cures.
- Light intensity decreases as distance from UV source increases.
- Some clear plastics may contain UV inhibitors.

Precautions When Using UV Lamps

- Never look directly at UV source.
- Wear protective UV goggles.
- Use in a well-ventilated area. Some UV sources generate ozone. Provide shielding around high intensity UV sources.
- * High intensity UV sources generate heat. Take appropriate precautions.

Typical Curing Performance

Blank Ammunition Sealant 53170HV will cure rapidly at room temperature when exposed to high intensity ultraviolet light (365 nm).

Tack Free Time

| Property | Value |
|-------------------------|--------------|
| Tack free time, seconds | 5-10 seconds |

Typical Properties (Cured)

Shear Strength

Cured 24 Hours @ 22°C - tested according to ASTM D1002

| Substrate | Shear Strength, psi |
|----------------|---------------------|
| Glass to Steel | ≥ 300 psi |

General Information

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Safety Data Sheet (SDS).

Storage

Blank Ammunition Sealant 53170HV should be stored in a cool, dry location in unopened containers at a temperature between 45°F to 85°F (7°C to 29°C) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

Heron® Technical Data Sheet

Blank Ammunition Sealant 53170HV

Dispensing Equipment

Heron® offers a complete line of semi and fully automated dispensing equipment. Contact **Heron® Sales** for additional information.

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