

# DC UV-2522

## FDA-Compliant, Caustic-Resistant OPV

DC UV-2522 is a 100% solids, UV curable overprint varnish (OPV) designed to impart a low-gloss finish and protection to printed paper, board, and polyolefin substrates, especially those used for food packaging applications (21 C.F.R. § 176.170 (c) Table 2 FDA compliant). Additionally, OPV provides excellent resistance to scuffing, rubbing, and abrasion along with exposure to caustic solutions such as drain cleaner. When cured, OPV is flexible, exhibits low curling and odor, controlled COF, and produces a smooth feel to the touch.

### Typical Properties

<b>Viscosity RVT #3 @ 20 rpm</b>	480 ± 100 cps
<b>Weight per gallon</b>	9.4 ± 0.2 lbs
<b>Color Before Curing</b>	Hazy, light tan
<b>Benzophenone-Free</b>	Yes
<b>Optical Brightener</b>	Included
<b>FDA-Compliance</b>	21 C.F.R. § 176.170 (c) Table 2
<b>Shelf Life</b>	12 months after manufacture date

### Application Information

<b>Application Method</b>	Flexographic Offset gravure
<b>Recommended Coating Weight</b>	3.0 – 6.5 g/m <sup>2</sup>
<b>Packaging</b>	Pails and drums
<b>Cleanup</b>	Organic solvents

### Cured Product Properties On 60# Semi-Gloss Paper

<b>Recommended Cure Conditions</b>	H Bulb: 300 W/in at 50-100 ft/min
<b>Appearance After Curing</b>	Colorless, reduced gloss
<b>60° Gloss</b>	20 – 50 GU
<b>Sutherland Double Rubs</b>	100+ with 2# weight
<b>Slide Angle</b>	15° - 30°
<b>Static COF</b>	0.15 – 0.25
<b>Kinetic COF</b>	0.14 – 0.22

### Handling & Storage

Under normal conditions, product is stable for 12 months in an unopened container. Store drums in dry areas and keep them tightly covered to prevent contamination. Do not mix with any other products.

### Safety Precautions

Consult Material Safety Data Sheet for hazardous ingredients, disposal methods and related handling information. Use product with adequate ventilation and avoid breathing vapors. Take precautions against skin contact with the molten adhesive to prevent serious burns.

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