

UV OPV 178GEL

Version 2026-10-22b · Revision 2026-10-22

Chemical Group

UV Over Print Varnish (Epoxy
Acrylate)

Product Description

OPV 178GEL is an UV cured over print varnish for paper printing. It exhibits excellent gloss, flexibility, and anti-scratch performance. It is specifically designed for printing requirements with LOW ODOR. It also has very good adhesion on most of paper, board, and box substrates.

Application Information

For high-gloss coating of paper, cardboard and various boxes. The range of applications can be: labels of all kinds, postcards, record wrappers, posters, book jackets, playing cards and menu cards, folding and package boxes.

Drying / Curing Info

* dependent of film thickness

Storage & Handling

This product should be stored in a cool place (below 40°C) away from direct sunlight. The containers should be kept sealed and if opened should be resealed tightly. This material is best when used within 1 year of the production. Additional information is contained within the MSDS (Material Safety Data Sheet).

Precautions

The toxicological properties of this product have not been fully determined. It can be expected to be eye and skin irritants and have the potential to cause allergic responses. Avoid direct exposure to the eyes and skin. See MSDS (Material Safety Data Sheet) for emergency and first-aid procedure.

Physical Data

Density (g/cm ³)	1.05
Form of supply	Light Amber Solution
Viscosity	200±50 cps at 25°C
Active content (%)	82-85
Non-volatile content (%)	82-85
Gloss level	>90% at 60°
Spread rate (g/m ²)	3-12
Odour	None
Yellowing	Low
Curing speed (mJ/cm ²)	100
Major UV wavelength (nm)	254-300
Viscosity (DIN #4 cup)	50 s
Resin type	Epoxy acrylate
Curing speed, 1 / 2 / 3 UV lamps (80–82 W/cm)	25 / 50 / 75 m/min

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.

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Cleaning agents

Ethanol, isopropanol, acetone, MEK, ethyl acetate; never
water

Applications

Inks

UV / EB

- Recommended
- Limited suitability
- Not recommended

Packaging, Shipping & Storage

UV OPV 178GEL is supplied as light amber solution. The product is packed in 200 kg metal drum or 20 kg plastic pail and shipped on pallets of 800 kg. Store under cool temperatures, dry and protected from weather. Shelf life: 1 year from manufacturing date.

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