# Polyester Acrylate UHVO-17806

## Description:

UHVO-17806 is a hexa-functional polyester acrylate, characterized by an excellent pigment wetting, very high reactivity and therefore a fast curing response.
It is a brownish liquid.

## Application:

UHVO-17806 is suitable for the use in radiation curing printing inks and coatings. Based on its rheological data it is especially recommended for the use in flexographic inks. Due to its good flow and excellent lithographic properties it is also recommended for the use as co-binder in offset inks. Furthermore, the high functionality of UHVO-17806 makes the material very interesting for high printing speeds and UV-LED applications.
The material is suitable for the use in food packaging applications (indirect contact).

## Typical properties:

| Property | Typical value |
|---|---|
| Appearance | Brownish liquid |
| Average functionality | 6 |
| Viscosity @ 20 °C; Physica, D=5/s [Pa·s] | 5 – 8 |
| Acid value [mg KOH/g] | 0 – 3 |
| Hydroxyl value [mg KOH/g] | 80 – 90 |
| Double bond density [mol DB/kg] | 5.6 – 6.0 |

## Storage:

Energy curing products should not be exposed to temperatures higher than 40 °C for prolonged period of time or to direct sunlight. Typical storage temperature should be between 15 – 30 °C.

## Shelf Life:

The product has a shelf life of at least 12 months from the date of manufacture.

## Safety:

When handling this product, please work according to the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.