

### TYPE

Oil-free, saturated polyester

### FORM OF DELIVERY (f.o.d.)

60 % in methoxypropyl acetate (60MPAC)

### PRODUCT DATA

#### Determined per batch:

#### Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	4000 - 8000
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#### Iodine Colour Number DIN 6162

iodine colour number 50 % propylene glycol methylether acetate		<= 3
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#### Acid Value DIN EN ISO 2114

acid value (non volatile matter)	[mg KOH/g]	<= 5
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#### Non-Volatile Matter DIN 55671

non-volatile matter (120 °C; 5 min)	[%]	58 - 62
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#### Not continually determined:

#### Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	58 - 62
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#### Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm <sup>3</sup> ]	1,14
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#### Flash Point DIN EN ISO 1523

flash point approx.	[°C]	50
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### SPECIAL PROPERTIES AND USE

Very good levelling at roller application, high deformability, colour stable.

Duroftal VPE 6104/60MPAC is especially suited for the production of cold-resistant tube coatings and sterilizable, cupping exterior can coatings and aerosol tin paints as well as sealers.

Furthermore, Duroftal VPE 6104/60MPAC serves as replacement of epoxy resins in phenol-epoxy-systems in order to get paints which do not contain BADGE or Bisphenol A. Duroftal VPE 6104/60MPAC is compatible with some phenolic resins (e.g. Phenodur PR 612 and VPM 1150). Such combinations (solid resin ratio VPE 6104 : PR 612 : VPM 1150 = 55 : 35 : 10) show good acid retort resistance (e.g. against 2 % lactic acid, 120 °C / 60 minutes), good adhesion and flexibility. The lacquers do not contain neither Bisphenol A, nor BADGE.

### PROCESSING

Can paints (pigmented and silver lacquers) are formulated for example with a combination of Duroftal VPE 6104/60MPAC with Cymel 1123 (about 80 : 20, calculated solids on solids). The curing conditions are 15 minutes 180 - 200 °C.

### STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 730 days.

### DISTINGUISHING FEATURES

Compared to Vialkyd AN 908, Vialkyd VAN 4387, Vialkyd AN 950, sterilization proof silver lacquers with deionized water can only be achieved with Duroftal VPE 6104/60MPAC in combination with Cymel 1123 (<= 90 minutes, 130 °C, stoved at 15 minutes 190 - 200 °C).

