

TYPE

Medium oil, drying polyester resin, modified with vegetable fatty acids

Average hydroxyl content (solid resin)

approx. 1.5 %

FORM OF DELIVERY (f.o.d.)

55 % in solvent naphtha 150/180 (55SNA)
(containing also 2.4 % xylene)

RESIN COMPOSITION

(approx.)
48 % special drying fatty acids (as triglycerides)
26 % phthalic anhydride

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	300 - 700
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Iodine Colour Number DIN 6162

iodine colour number 50 % SNA		<= 10
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Acid Value DIN EN ISO 2114

acid value (non volatile matter)	[mg KOH/g]	<= 10
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Non-Volatile Matter DIN 55671

non-volatile matter (120 °C; 5 min)	[%]	53 - 57
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Not continually determined:

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	53 - 57
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Flow Time DIN 53211

flow time (20 °C)	[s]	100 - 200
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Hydroxyl Value DIN 53240

hydroxyl value approx. (solid matter content)	[mg KOH/g]	50
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,00
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Flash Point DIN EN ISO 1523

flash point approx.	[°C]	39
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SPECIAL PROPERTIES AND USE

Vialkyd VAF 7109/55SNA is used for top-quality automobile repair, industrial enamels and radiator paints. In combination with melamine resins like Maprenal MF 504 it can be used for forced drying systems (< 80 °C), too.

Paints based on Vialkyd VAF 7109/55SNA show rapid initial and through drying also in high film thicknesses. The films show high gloss, outstanding yellowing resistance, excellent gloss retention and weather resistance. The formulation of white paints is possible.

For siccation lead free drier combination (Co, Ba, Zr) is recommended, maybe combined with Ca. The use of an effective antiskinning agent like Additol XL 297 is necessary.

DILUTABILITY

Vialkyd VAF 7109/55SNA can be diluted with esters, ketones, glycol-ethers and -esters, as well as with aromatic and aliphatic solvents. The dilutability with alcohols is limited.

COMPATIBILITY

Vialkyd VAF 7109/55SNA is compatible with medium and long oil alkyd resins, drying oils and rosin based resins; limited compatibility with nitrocellulose and maleic resins with high melting point.

STORAGE

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

