

TYPE

Linear, oil free, saturated polyester resin

USES

Coil Coating Topcoats and high performance industrial stoving enamels.

FORM OF DELIVERY (f.o.d.)

70 % in solvent naphtha 150/180 / butyl glycol (70SNABG)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	1500 - 3000
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Iodine Colour Number DIN 6162

iodine colour number		<= 3
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Acid Value DIN EN ISO 2114

acid value (non volatile matter)	[mg KOH/g]	<= 12
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Non-Volatile Matter DIN 55671

non-volatile matter (120 °C; 5 min)	[%]	68 - 72
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Not continually determined:

Colour / Appearance VLN 250

colour appearance		pale yellow clear
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	68 - 72
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,10
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Flash Point DIN EN ISO 1523

flash point approx.	[°C]	50
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SUGGESTED USES

Duroftal VPE 6128/70SNABG is a low viscous oil free polyester resin and preferably used to formulate coil coating topcoats. Duroftal VPE 6128/70SNABG shows excellent properties under various curing conditions.

Because of its high solid content, it is possible to formulate coatings with an extremely high yield, good gloss, adhesion and excellent flexibility (t-bend 0-0,5).

PROCESSING

Duroftal VPE 6128/70SNABG is usually crosslinked with HMM melamine resins in ratios of 80 - 90 % polyester and 20 - 10 % melamine resin (calculated on solid resin). The addition of acidic catalysts like p-toluene-sulfonic-acid or Additol VXX 6395 in concentrations of 2 - 3 % (active p-TSA) calculated on solid HMM melamine resin is recommended to optimize curing and chemical resistance.

STORAGE

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

DISTINGUISHING FEATURES

Duroftal VPE 6128/70SNABG shows, compared to Duroftal VPE 7185 and Duroftal PE 6163 a significantly higher solid content in the formulated coatings and so a higher yield.

