

TYPE

Slightly branched, oil-free, saturated polyester resin

FORM OF DELIVERY (f.o.d.)

66 % in solvent naphtha 150/180 / butyl glycol (4 : 1) (66SNABG)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	500 - 700
50 % ethylene glycol monobutyl ether (25 1/s; 23 °C)		

Iodine Colour Number DIN 6162

iodine colour number		<= 2
50 % ethylene glycol monobutyl ether		

Acid Value DIN EN ISO 2114

acid value	[mg KOH/g]	<= 6
(non volatile matter)		

Non-Volatile Matter DIN 55671

non-volatile matter	[%]	64 - 68
(120 °C; 5 min)		

Not continually determined:

Colour / Appearance VLN 250

colour		pale yellow
appearance		clear

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter	[%]	64 - 68
(1 h; 125 °C; 1 g)		

Density (Liquids) DIN EN ISO 2811-2

density	[g/cm³]	1,06
approx. (20 °C)		

Flash Point DIN EN ISO 1523

flash point	[°C]	45
approx.		

APPLICATION

Coil Coating Primers, Topcoats and high performance industrial stoving enamels

SPECIAL PROPERTIES AND USE

DUROFTAL PE 6163/66SNABG 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.

DUROFTAL PE 6163/66SNABG is preferably used in Coil Coating systems for steel and non-ferrous metals with a balanced ratio between flexibility, crosslinking density and hardness. The product shows very good properties under a multitude of application conditions.

DUROFTAL PE 6163/66SNABG shows excellent pigment wetting properties and can be used for indoor and outdoor architectural application.

STORAGE CONDITIONS

DUROFTAL PE 6163/66SNABG should be stored in its original sealed containers at temperatures up to 25 °C.

SHELF LIFE

Standard shelf life is 365 days from the date of manufacturing. For products still in allnex possession allnex may extend the expiration date of a batch upon re-testing by QC.

DISTINGUISHING FEATURES

DUROFTAL PE 6163 provides higher film hardness and better outdoor durability in comparison to DUROFTAL VPE 6128.