

Product code: 472071

DOMOPOL 5131 65 SAB/BG ND

Saturated Polyester Resin

**Specification:**

Property	Range	Method / According to standard
Non-volatile matter	64 - 66%	MH1155 / ISO 3251
Acid value on solid resin	max. 8 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	33 - 40 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	1500 - 3500 mPa·s	MH1007 / ISO 3219
Colour	max. 3 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Solvent ratio	Aromatic solvent 150 ND / Butyglycol = 2 / 1
Density	1.1 kg/L
Molecular weight	3000
Flash point	62 °C
Hydroxyl content on solid	1.1%
Tg	15 °C
Bio-based content on solid	21%
Total renewable content on delivery form	14%

Remarks:

The bio-based content is 21% of the dry matter via a biomass balance (BMB) approach as certified by the ISCC PLUS. The certificate can be issued upon request.

Solubility:

Soluble in aromatic hydrocarbons, esters and glycol ethers.

Compatibility:

Compatible with amino resins and blocked polyisocyanate resins.

Applications:

- » Domopol 5131 65 SAB/BG ND is intended for high durability exterior coil coatings: top coats and one-coat systems.
- » Stoving enamels based on this polyester resin and amino resins (or blocked polyisocyanates resins) are flexible, show good adhesion to metals and excellent weather resistance (chalking resistance, colour retention, dirt pickup resistance).
- » This resin shows good compatibility with other resins and good pigment wetting.

Storage:

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.

Note: The information contained herein is provided in good faith and is to the best of our knowledge accurate, but we assume no liability for its accuracy or completeness. Therefore, the buyer is advised to determine the suitability of this product for the intended use. We retain the right to make any changes according to technological progress or further developments. For safety information please refer to the current Material Safety Data Sheet.

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