Product code: 478426

DOMOPOL 5119 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. 3 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	50 - 58 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	1800 - 2800 mPa·s	MH1007 / ISO 3219
Colour	max. 3 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Solvent ratio	Aromatic solvent 150 ND / Butylglycol = 2 / 1
Density	1.1 kg/L
Molecular weight	4000
Flash point	62 °C
Hydroxyl content on solid	1.7%
Tg	16 °C
Bio-based content on solid	28%
Total renewable content on delivery form	18%

Remarks:

The bio-based content is 28% 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 5119 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).

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.

Issue Date: March 2025