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 ºC	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
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	21%

Remarks:
The share of ISCC PLUS certified material is determined individually for each delivery based on the applicable mass balance allocation and is specified in the corresponding Sustainability Declaration. The validity of the ISCC PLUS certificate can be verified via the official website (https://iscc-system.org/).

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.

Disclaimer
This data is based on experience, for its completeness, we assume no liability. As we take no influence on the processing, it lies within the obligation of the customer to test, whether it is suitable for the intended purpose, before using the product. Any change in the processing procedure, the environmental conditions or the failure to comply with instructions may unfavorably influence the result. This Technical Datasheet is available on our website at www.helios.si. Should there be any discrepancies between this document and the version that appears on the website, then the version on the Website will take precedence.