

Product code: 478372

DOMOPOL 5158 50 SAB/DBE ND

Saturated Polyester Resin

**Specification:**

| Property | Range | Method / According to standard |
|---------------------------|-------------------|--------------------------------|
| Non-volatile matter | 49 - 51% | MH1155 / ISO 3251 |
| Acid value on solid resin | 0 - 8 mg KOH/g | MH1051 / ISO 2114 |
| Viscosity, 23 °C | 1500 - 3000 mPa·s | MH1007 / ISO 3219 |
| Colour | max. 3 Gardner | MH1124 / ISO 4630 |

Typical properties:

| Property | Value |
|--|---|
| Solvent ratio | Aromatic solvent 150 ND / Dibasic ester = 2 / 1 |
| Molecular weight | 5000 |
| Flash point | 63 °C |
| Hydroxyl content on solid | 0.75% |
| Tg | 62°C |
| Bio-based content on solid | 24% |
| Total renewable content on delivery form | 12% |

Remarks:

- » The bio-based content is 24% of the dry matter via a biomass balance (BMB) approach as certified by the ISCC PLUS. The certificate can be issued upon request.
- » As a solid resin, Domopol 5158 50 SAB/DBE ND complies with FDA Regulations 21 CFR § 175.300 for products coming into contact with foods (limited to non-alcoholic food types).

Solubility:

- » Soluble in esters and glycol ethers.
- » Limited solubility in aromatic hydrocarbons.

Compatibility

Compatible with amino resins and blocked polyisocyanate resins.

Applications:

- » Domopol 5158 50 SAB/DBE ND is intended for can coatings – monobloc aerosol cans.
- » Principal properties are adhesion on aluminium and hardness.

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.

TECHNICAL DATASHEET

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