

Product code: 478424

## DOMOPOL 5158 50% 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	3000 - 4500 mPa·s	MH1007 / ISO 3219
Colour	max. 3 Gardner	MH1124 / ISO 4630

**Typical properties:**

Property	Value
Solvent ratio	Aromatic solvent 150 ND / Dibasic ester / Butyldiglycol = 10 / 17 / 23
Molecular weight	5000
Flash point	63 °C
Hydroxyl content on solid	0.75%
Tg	62 °C
Bio-based content on solid	25%
Total renewable content on delivery form	12%

**Remarks:**

- » The bio-based content is 25% 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% 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% 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](http://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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Page: 1/1