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
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	25%

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/).
- 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. 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.