Product code: 472089

DOMOPOL 5148 55%

Saturated Polyester Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	54 - 56%	MH1155 / ISO 3251
Acid value on solid resin	max. 3 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	35 - 45 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	3600 - 4400 mPa·s	MH1007 / ISO 3219
Colour	max. 3 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Solvent ratio	Methoxypropanol / Dipropylene glycol monomethyl ether = 3 / 1
Molecular weight	4000
Flash point	64 °C
Tg	20 °C
Bio-based content on solid	15%
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	26%

Remarks:

- The resin contains 15% bio-based content derived from renewable, plant-based feedstocks.
- 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/).

Applications:

- It is recommended for can coating applications, especially metal decorating enamels. It may also be used for tube and aerosol can coatings.
- Overprint varnish based on this resin shows excellent flexibility and wet-on-wet properties.
- Domopol 5148 55% is based on FDA approved raw material for non-alcoholic content (FDA § 175.300).

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.