Product code: 402648

DOMOPOL 7046 100%

Saturated Polyester Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	100%	MH1155 / ISO 3251
Acid value on solid resin	7 - 12 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	250 - 290 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	750 - 1000 mPa·s	MH1007 / ISO 3219
Colour	max. 2 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Density	1.1 kg/L
Molecular weight	1000
Bio-based content on solid	69%
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	31%

Remarks:

- The resin contains 69% 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/).

Solubility:

Soluble in most solvents.

Applications:

- Domopol 7046 100% is used in 2K polyurethane coatings as such or as a combination resin for hydroxyl acrylic resins to increase solids content in industrial finishes, protective coatings and plastic coatings.
- Principal properties are high gloss, UV light and heat resistance and weathering resistance.

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.